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- **ALCEA**
- industry products catalogue
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**industry 191** ■

May 2011



manufacturing paints respecting  
man and environment





# industria

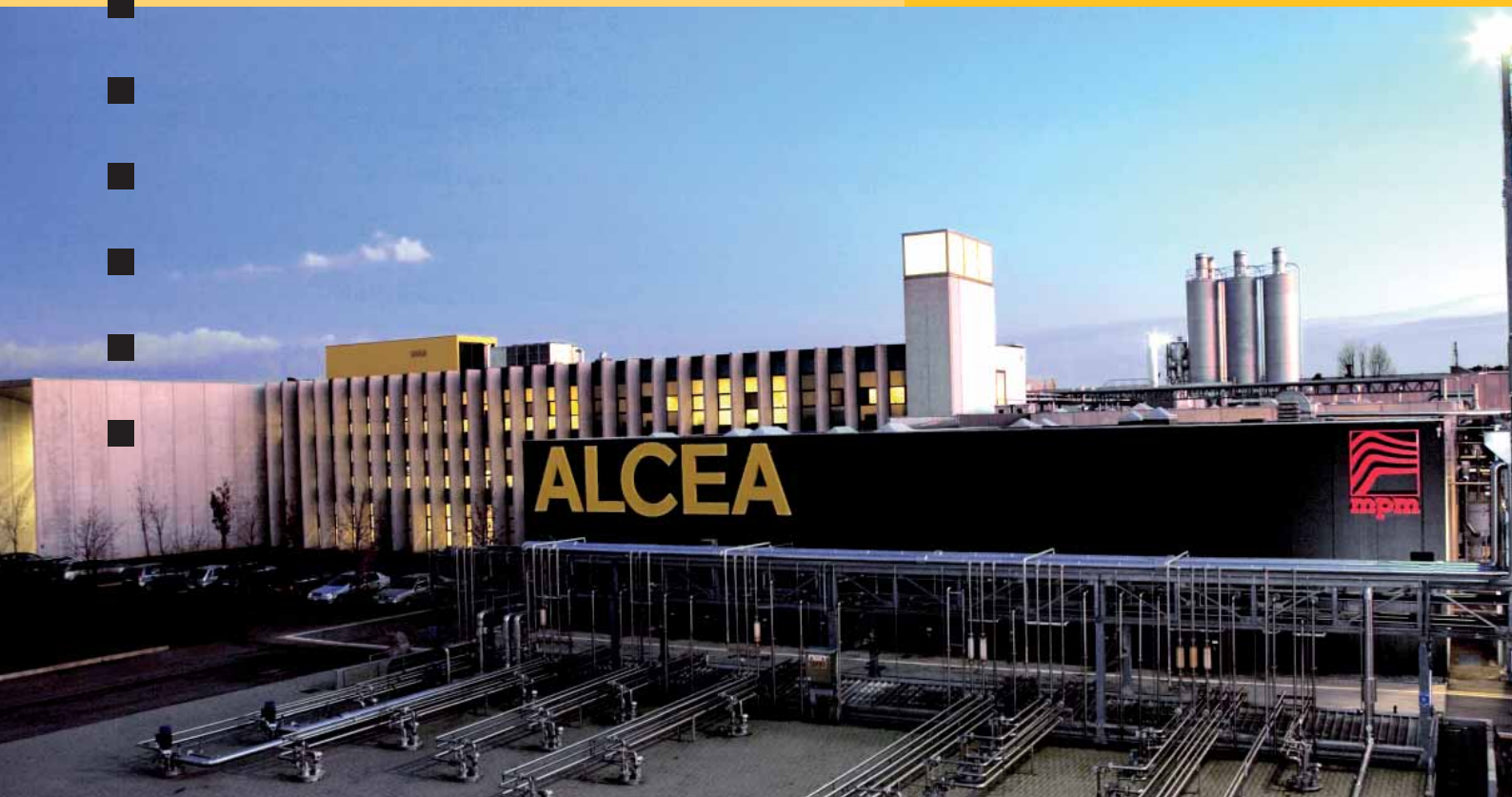
**industry** catalogue 191



# ALCEA



## company profile



**ALCEA**

[www.alcea.com](http://www.alcea.com)

 **PULVERIT®**

[www.pulverit.it](http://www.pulverit.it)



[www.mpsrl.com](http://www.mpsrl.com)

**WIP**coatings

[www.wip-coatings.com](http://www.wip-coatings.com)

**ALCEA**  
INDUSTRIES

[www.alcea.com](http://www.alcea.com)

- founded in 1932 and currently managed by eng. Carlo Parodi
- in 1990 acquired the block of shares of Colorificio Tovaglieri and 2000 its industrial activities have become part of Alcea
- eng. Carlo Parodi is also the managing director of Pulverit, Milan-based company operating in the field of powder coatings since 1973, with offices in Europe and, since 2010, in Brazil, with Pulverit do Brasil
- in 2006 acquired MPM, chemicals systems for building industry, and ICSAM, coatings for wood
- is present in Romania since 2006 with Pulverit AP Vopsele
- since 2007 ALCEA Polska is also operational
- Alcea, Pulverit and ICSAM founded in 2009 PICSAR Coatings in Russia
- in 2009 was established ALCEA CR, having as main goal the merchandising of the brand ALCEAGROUP in the Czech Republic and Slovakia, and ALCEA France, sales offices and production facility
- in 2009 WIP Coatings, which has merged the brands ICSAM and ROVEA, is included in the group
- in 2010 was established ALCEA Industries
- ALCEA Industries acquires the production facility located in Burago Molgora and the industrial paints branch from BASF Coatings
- ALCEAGROUP as a whole has a staff of about 500 employees, including 60 researchers working in different corporate laboratories
- currently has a turnover of approximately EUR 150 million

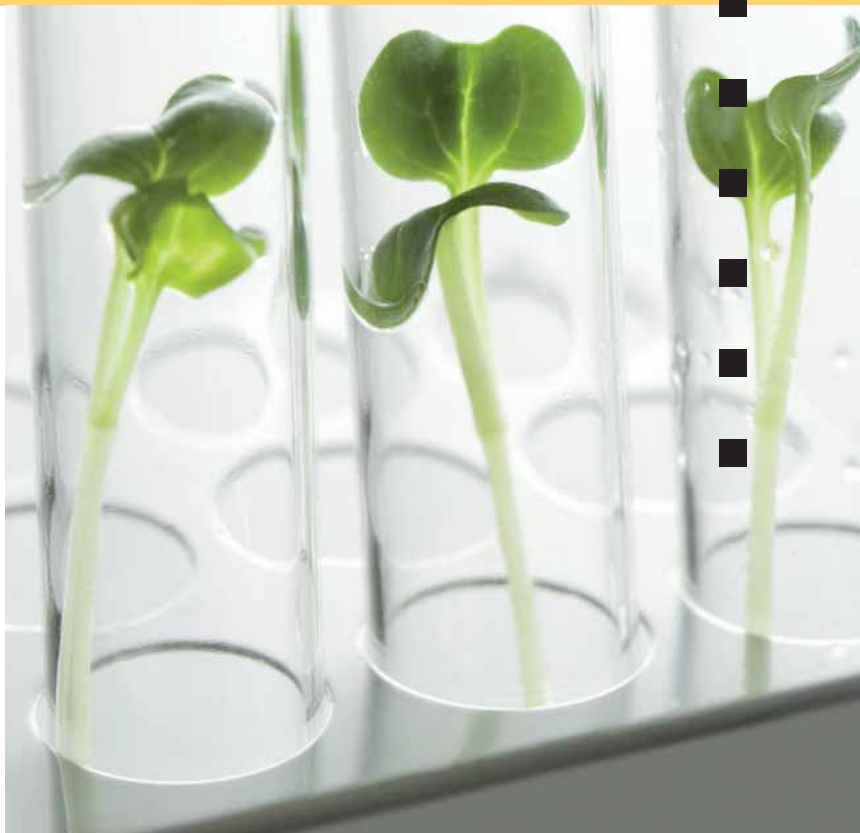
# quality and certifications



**UNI EN ISO 9001:2008**  
quality certification

**UNI EN ISO 14001:2004**  
environmental certification

**OHSAS 18001:2007**  
management of health  
and safety at work



Alcea was the first Italian manufacturer of industrial paints to obtain Certiquality certification, with Certificate no.048 dated October 11th, 1993 - recently renewed and in accordance with UNI EN ISO 9001:2000 standards for research and development, production and sale of enamels, paints and varnishes for iron and wood industry, industrial tinting Alcea Smaltosistem®, Geocolor®, Legnomix®, Geomix, retail, DIY building industry, fire resistance rated.

Our policy to meet the requirements and expectations of customers through continuous innovation and design, research for appropriate materials, control of every single part and on-time delivery, is not only confirmed but strengthened by the new standard and the investments made in the production site.

Pulverit is also certified according to UNI EN ISO 9001:2008; its powder paints for face walls (polyester based) are in accordance with the specifications QUALICOAT and GSB.

Alcea has also obtained the environmental certification UNI EN ISO 14001:2004. Alcea intends to respect the human person, to meet the quality requirements and expectations of customers, as well

as to prevent and minimize negative impacts of its processes and products on the environment through:

- the continuous improvement of its performance;
- the specialization and the technological research;
- the continuous investment in research for cycles of lower environmental impact.

Alcea develops and adopts programs in compliance with legislation and regulations in force, with rules of good practice or specific industry standards, establishes and periodically reviews its objectives and goals for quality and environment.

Alcea is committed to ensure that:

- every human resource is aware and tries to achieve the objectives for quality and environment;
- the company policy is being implemented every day by all members of the staff, under the constant care and supervision of the sole manager, the directors and of the managers.

In November 2010 the production facility of Senago achieved OHSAS 18001:2007 health and safety management system certification.

## Alcea industry, products catalogue 191 May 2011

|  |         |
|--|---------|
| index by product code                            | 8 - 10  |
| note   | 12 - 13 |
| colours on order                                 | 14      |
| correspondence of converters - finished products | 15      |
| nitro transparent coats                          | 17      |
| nitro enamels                                    | 18      |
| nitro synthetic enamels                          | 20      |
| metallic nitro enamels                           | 21      |
| nitro uric enamels                               | 22      |
| catalysed epoxy base coats                       | 24 - 25 |
| catalysed epoxy base coats with phosphate        | 26      |
| high solid catalysed epoxy base coats            | 27      |
| epoxy zinc coats                                 | 28      |
| catalysed epoxy enamels                          | 30 - 31 |
| catalysed epoxy for food                         | 32      |
| catalysed epoxy additives                        | 34 - 35 |
| high solid catalysed epoxy additives             | 36      |
| catalysed epoxy base coats / finishing           | 37      |
| catalysed metallic epoxy enamels                 | 38      |
| catalysts for epoxies                            | 39      |
| polyurethane and polyacrylic base coats          | 40      |
| high solid polyacrylic enamels                   | 41      |
| polyurethane enamels                             | 42 - 43 |
| polyacrylic enamels                              | 44 - 45 |
| textured polyurethane and polyacrylic enamels    | 46      |
| metallic polyurethane and polyacrylic enamels    | 47      |
| catalysed polyacrylic transparent coats          | 48 - 49 |

|  |         |
|--|---------|
| polyurethane and polyacrylic enamels for special effects<br>pearly - soft - micaceous - textured | 50- 51  |
| catalysts for polyurethanes and polyacrylics   | 52      |
| oven-baked transparent varnishes   | 53      |
| enamels oven-baked at 120°C  | 54      |
| enamels oven-baked at 80°C   | 55      |
| high solid oven-baked enamels  | 56      |
| air / overspraying one-pack anti-rust  | 58 - 59 |
| air one-pack base coats and anti-rust<br>with zinc phosphate / high solid - ready for use        | 60 - 63 |
| finishing base coats - wash primer / special base coats and paints                               | 64 - 65 |
| heat-resistant aluminium   | 66      |
| fast-drying / one coat - high solid synthetic enamels  | 68 - 71 |
| special finishing / micaceous and metallic enamels   | 72 - 73 |
| chlorinated rubber enamels and base coats  | 74      |
| chlorovinyl enamels and base coats   | 75      |
| one-pack air water-based base coats  | 76      |
| one-pack air water-based enamels   | 78      |
| one-pack water-based base coats and enamels / for metal and wood                                 | 80 - 81 |
| oven-baked water-based enamels   | 82      |
| catalysed epoxy water-based base coats and enamels   | 84 - 85 |
| catalysed water-based polyurethane and polyacrylic enamels                                       | 86 - 88 |
| catalysts / for water-based epoxies - for water-based polyurethanes                              | 89      |
| prodotti speciali  | 90 - 91 |
| additives and special products   | 92      |
| thinners / catalysts for ureic nitro   | 94      |

## index by product code

| code            |                                  | product name  | page     |
|-----------------|----------------------------------|---|----------|
| <b>thinners</b> | -                                | thinners / catalysts for ureic nitro  | 94       |
| <b>0125</b>     | 7L31                             | tugoprene chlorovinyl anti-corrosive enamel   | 75       |
| <b>0254</b>     | 0000                             | palladion HS high thickness epoxy primer for food   | 32       |
| <b>0255</b>     | 001<br>9                         | palladion HS high thickness epoxy coating for food<br>polyamine catalyst for palladion HS                 | 32<br>39 |
| <b>0650</b>     | V000 - 0000                      | nitral gloss nitro zapon  | 17       |
| <b>0654</b>     | V000 - 0000                      | nitral gloss soft nitro-finishing varnish   | 17       |
| <b>1100</b>     | V093 - 0093                      | nitral matt nitro enamel  | 18       |
| <b>1200</b>     | XXXX                             | nitral washing semi-gloss nitro enamel  | 18       |
| <b>1302</b>     | XXXX                             | nitral washing gloss nitro enamel   | 18       |
| <b>1305</b>     | 0093 - XXXX                      | nitral gloss nitro synthetic enamel   | 20       |
| <b>1386</b>     | 8665 - XXXX                      | nitral metallic nitro enamel  | 21       |
| <b>1586</b>     | V000 - 0000                      | nitral metallic nitro enamel for wheels   | 21       |
| <b>1900</b>     | V000 - V093 - XXXX               | nitral gloss nitro synthetic enamel   | 20       |
| <b>1906</b>     | XXXX                             | nitral bright nitro synthetic enamel  | 20       |
| <b>2100</b>     | 0093                             | sintal matt oven-baked enamel   | 54       |
| <b>2213</b>     | XXXX                             | sintal semi-matt oven-baked synthetic enamel  | 54       |
| <b>2285</b>     | 4765                             | base coat metallised  | 90       |
| <b>2507</b>     | XXXX                             | sintal HS semi-gloss ready to use high solid synthetic enamel   | 71       |
| <b>2702</b>     | XXXX                             | sintal semi-gloss fast-drying enamel  | 68       |
| <b>2703</b>     | XXXX                             | sintal fast-drying gloss synthetic enamel (for cylinders and drums)                                       | 68       |
| <b>2706</b>     | 0000 - 0093 - 0265 - 9608 - XXXX | sintal fast-drying gloss synthetic enamel   | 68       |
| <b>2786</b>     | 0564                             | sintal gloss fast-drying metallic synthetic enamel  | 73       |
| <b>2800</b>     | 0699                             | accelerator for synthetics  | 92       |
| <b>2808</b>     | XXXX<br>7897                     | sintal gloss one coat<br>sintal semi-gloss one coat   | 70       |
| <b>2809</b>     | XXXX                             | bright aliphatic one-pack polyurethane enamel   | 70       |
| <b>2888</b>     | XXXX                             | sintal bright one coat high solid synthetic enamel  | 69       |
| <b>2939</b>     | 0000                             | scudoferrum semi-gloss micaceous polyurethane enamel with paintbrush                                      | 73       |
| <b>3405</b>     | XXXX                             | sintal gloss fast-drying oven-baked medium solid enamel   | 55       |
| <b>3406</b>     | XXXX                             | sintal semi-gloss synthetic enamel oven-baked at 80°C   | 55       |
| <b>3407</b>     | XXXX                             | sintal HS gloss high solid oven-baked synthetic enamel  | 56       |
| <b>4101</b>     | 0000                             | alcohol anti-rust   | 65       |
| <b>4200</b>     | XXXX                             | geopox gloss epoxy water-based enamel   | 84       |
| <b>4203</b>     | 3425                             | geopox epoxy water-based base coat  | 84       |
| <b>4204</b>     | 4600 - 0017                      | geopox plus water-based base coat with phosphate  | 84       |
| <b>4207</b>     | 0017                             | geoexter water epoxy outdoor primer   | 76       |
| <b>4281</b>     | XXXX                             | epox H <sub>2</sub> O semi-gloss epoxy textured water-based enamel  | 85       |
| <b>4285</b>     | XXXX                             | geopox gloss epoxy textured water-based enamel  | 85       |
| <b>4299</b>     | 0000 - 5000 - 9000<br>7779       | geopox water-based catalyst for epoxies<br>geopox fast-drying water-based catalyst for epoxies            | 89       |
| <b>4327</b>     | 5939                             | geoacryl 2k acrylic primer  | 88       |
| <b>4345</b>     | XXXX                             | sintal H <sub>2</sub> O matt water-based enamel oven-baked at 110°C                                       | 82       |
| <b>4347</b>     | XXXX                             | sintal H <sub>2</sub> O bright water-based enamel oven-baked at 110°C                                     | 82       |
| <b>4350</b>     | 0699                             | uretal water-based catalyst for polyurethane enamels  | 89       |
| <b>4352</b>     | XXXX                             | geouretal semi-gloss polyurethane enamel  | 86       |
| <b>4354</b>     | XXXX                             | geoacryl matt polyacrylic enamel  | 86       |
| <b>4355</b>     | XXXX<br>0699                     | geoacryl 2k bright polyacrylic water-based enamel<br>uretal water-based catalyst for polyurethane enamels | 86<br>89 |





| code |   | product name   | page |
|------|---|--|------|
| 4356 | XXXX  | geoacryl semi-gloss polyurethane enamel                        | 87   |
| 4358 | XXXX<br>0699                                    | geoacryl bright polyacrylic enamel for outdoor                 | 87   |
|      |   | uretal water-based catalyst for polyurethane enamels           | 89   |
| 4360 | XXXX  | geoacryl 2k bright polyacrylic water-based enamel              | 87   |
| 4661 | 0000  | geowood semi-matt thixotropic acrylic water-based enamel       | 80   |
| 4662 | 0000  | geowood semi-gloss thixotropic acrylic water-based enamel      | 81   |
| 4663 | 0000  | geowood semi-gloss thixotropic acrylic water-based enamel      | 81   |
| 4670 | 0000  | geofond thixotropic acrylic water-based base coat              | 80   |
| 4675 | 0284  | geostil semi-gloss water-based one coat enamel                 | 80   |
| 4700 | XXXX  | geonitral gloss water-based enamel                             | 78   |
| 4705 | XXXX  | geosintal fast-drying gloss water-based enamel                 | 78   |
| 4709 | XXXX  | geosintal bright one-pack polyurethane enamel                  | 78   |
| 4781 | 2555  | sanded fast-drying water base coat                             | 76   |
| 4782 | XXXX  | geoduplo fast-drying semi-gloss water one coat                 | 76   |
| 5013 | V000 - 0000                                     | sintal 13 aluminium paint                                      | 66   |
| 5100 | V858 - XXXX - 6858                              | alceite gloss chlorinated rubber enamel                        | 74   |
| 5102 | XXXX  | alceite chlorinated rubber undercoat                           | 74   |
| 5180 | XXXX - 0000                                     | alceite additive   | 74   |
| 5200 | XXXX  | epox gloss epoxy enamel  | 30   |
| 5201 | XXXX  | epox semi-matt epoxy enamel                                    | 30   |
| 5202 | XXXX  | epox semi-gloss epoxy enamel                                   | 30   |
| 5203 | 0017 - 2287<br>0059 - 3946<br>3616              | epox high adhesion epoxy primer                                | 24   |
|      |   | epox matt epoxy base coat                                      | 25   |
|      |   | epox matt epoxy base coat                                      | 25   |
| 5204 | 0059 - 4678 - 4790                              | epox matt epoxy base coat with zinc phosphate                  | 26   |
| 5207 | 0017 - 0265 - 4173                              | epoxy outdoor high solid base coat with zinc phosphate         | 63   |
| 5209 | 0017  | epoxy outdoor high solid HS plus base coat with zinc phosphate | 63   |
| 5227 | 0017  | epox HS high solid epoxy base coat                             | 27   |
| 5239 | 0000  | epox scudoferrum metallic epoxy paint                          | 37   |
| 5243 | 2929  | epoxitar coal tar epoxy  | 37   |
| 5252 | XXXX  | epox semi-gloss epoxy-vinyl enamel                             | 31   |
| 5253 | 4678 - 4790                                     | epox semi-matt epoxy-vinyl base coat                           | 25   |
| 5280 | XXXX - 0000 - 0093 - 0278<br>0265 - 0284 - 0291 | epox one coat epoxy texture                                    | 34   |
| 5282 | XXXX  | epox semi-matt epoxy texture                                   | 34   |
| 5284 | XXXX  | epox one coat epoxy thixotropic texture                        | 35   |
| 5286 | 0401 - 0428                                     | epox fine-grained metallic epoxy enamel                        | 38   |
| 5287 | XXXX  | epox HS high solid epoxy texture                               | 36   |
| 5289 | 0000 - 2575                                     | epoxy zinc coat  | 28   |
| 5298 | 0000  | epox coarse-grained metallic epoxy enamel                      | 91   |
| 5299 | 0000  | catalyst for epoxytar  | 39   |
| 5300 | XXXX  | uretal gloss polyurethane enamel                               | 42   |
| 5303 | V051  | uretal filler polyurethane base coat                           | 40   |
| 5308 | 0699  | uretal polyurethane catalyst                                   | 52   |
| 5339 | 0401  | uretal semi-matt micaceous polyurethane enamel                 | 50   |
| 5350 | XXXX - 0000 - 0093                              | uretal smalto extra gloss repolishable polyurethane enamel     | 43   |
| 5352 | XXXX  | uretal extra semi-gloss polyurethane enamel                    | 43   |
| 5355 | XXXX  | uretal gloss polyurethane enamel                               | 42   |
| 5370 | 0699  | uretal HS high solid polyurethane catalyst                     | 52   |

## index by product code

| code |                                  | product name   | page     |
|------|----------------------------------|--|----------|
| 5372 | XXXX                             | uretal textured polyurethane enamel  | 50       |
| 5376 | XXXX                             | uretal metallic textured polyacrylic enamel  | 51       |
| 5380 | A284 - XXXX<br>0699              | uretal gloss one coat polyurethane additive<br>uretal polyurethane catalyst  | 46<br>52 |
| 5382 | XXXX                             | uretal semi-gloss one coat polyurethane additive   | 46       |
| 5383 | CONV<br>PERL                     | uracril matt polyacrylic metal base coat enamel<br>uracril matt polyacrylic pearly enamel                                | 47<br>50 |
| 5386 | 2271                             | uretal matt fine-grained metallic polyacrylic enamel   | 47       |
| 5605 | 0000                             | one-pack base coat (for polystyrene)   | 65       |
| 5620 | 0000                             | aluminium paint for high temperatures up to 600°C  | 66       |
| 5700 | XXXX                             | catalik gloss uric nitro enamel  | 22       |
| 5701 | 0093                             | catalik matt uric nitro enamel   | 22       |
| 5800 | XXXX                             | uracril bright polyacrylic enamel (industrial bodywork)  | 44       |
| 5820 | XXXX<br>2929                     | uracril gloss high adhesion polyacrylic enamel<br>uracril for bright aluminium   | 44<br>91 |
| 5821 | XXXX                             | uracril matt high adhesion polyacrylic enamel  | 44       |
| 5822 | XXXX                             | uracril semi-gloss one coat acrylic enamel   | 45       |
| 5823 | 0017                             | uracril high adhesion polyacrylic base coat  | 40       |
| 5826 | XXXX<br>0699                     | semi-gloss 2k one coat acrylic enamel<br>uretal polyurethane catalyst  | 45<br>52 |
| 5827 | 4968                             | high adhesion 2k polyacrylic base coat   | 40       |
| 5839 | 0000                             | uracril high adhesion polyacrylic enamel - micaceous   | 51       |
| 5849 | 0000                             | uracril high adhesion polyacrylic enamel - coarse-grained micaceous  | 51       |
| 5877 | XXXX                             | uracril HS bright high solid polyacrylic enamel  | 41       |
| 5879 | XXXX                             | uracril HS bright high solid polyacrylic enamel  | 41       |
| 6272 | 0017 - 0062 - 0065               | fast-drying synthetic anti-rust  | 58       |
| 6273 | V017 - 0017 - 0265 - 2523 - 8778 | fast-drying synthetic anti-rust  | 59       |
| 6274 | 5342                             | fast-drying base coat with zinc phosphate  | 60       |
| 6275 | 2522                             | matt air synthetic base coat   | 60       |
| 6276 | 0065                             | anti-rust with fast-drying zinc phosphate  | 61       |
| 6277 | 0017 - 3381 - 3620<br>2970       | ferrum HS overspraying high solid synthetic base coat<br>ferrum HS one coat with ready for use high solid zinc phosphate | 62       |
| 6279 | 0017                             | ferrum HS extra high solid synthetic base coat with zinc phosphate   | 62       |
| 6281 | 7897                             | ferrum chrome-free anti-rust   | 60       |
| 6282 | 0000 - 0017 - 0062 - 0093 - 0265 | ferrum universal synthetic anti-rust   | 58       |
| 6286 | 0078<br>V265 - 0093 - 0265       | fosferrum synthetic anti-rust with zinc phosphate (oil-resistant)<br>fosferrum synthetic anti-rust with zinc phosphate   | 61       |
| 6291 | 0093<br>0059 - 0062              | soft high adhesion base coat/finishing<br>two-pack high adhesion wash primer   | 64       |
| 6293 | 0059                             | one-pack wash primer with phosphates   | 64       |
| 6539 | V000 - V401 - 0000 - 0401        | scudoferrum metallic synthetic paint   | 72       |
| 6546 | 0000                             | scudoferrum fine-grained metallic synthetic paint  | 72       |
| 6549 | 0000 - 0401                      | scudoferrum coarse-grained metallic synthetic paint  | 72       |
| 99HS | 0699                             | uretal 80 polyurethane catalyst  | 52       |
| 9088 | 0000                             | corrective anti-fog  | 92       |
| 9500 | 2623<br>9851                     | primer for glass and sandstone<br>additive antisilicone  | 92       |
| 9515 | 0000                             | silicone additive to hammered  | 92       |
| 9534 | 9826                             | accelerating polyurethane  | 92       |
| 9550 | 0000                             | disinfectant foaming spray for coating rooms   | 92       |
| 9551 | 0000                             | detergent for water systems  | 92       |



| code        |             | product name  | page    |
|-------------|-------------|---|---------|
| <b>9900</b> | 0000        | uretal gloss polyacrylic varnish                            | 48      |
|             | 2444        | uretal gloss polyacrylic varnish                            | 48 e 90 |
|             | 2969        | uretal satin polyacrylic varnish                            | 48 e 90 |
|             | 5294        | uretal double effect gloss 2k acrylic varnish               | 48      |
|             | 5999        | uretal gloss polyacrylic varnish                            | 49      |
| <b>99HS</b> | 0699        | uretal 80 polyurethane catalyst                             | 52      |
| <b>9905</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9906</b> | 0699        | uretal 50 medium solid polyurethane catalyst                | 52      |
| <b>9907</b> | 0699        | uretal catalyst   | 52      |
| <b>9909</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9910</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9911</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9912</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9914</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9916</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9925</b> | 7779        | epox fast-drying polyamine catalyst                         | 39      |
| <b>9926</b> | 0000        | epox polyamide catalyst                                     | 39      |
|             | 4000        | epox matt polyamide catalyst                                |         |
|             | 4068        | epox matt polyamide catalyst                                |         |
|             | 7779        | epox fast-drying polyamine catalyst                         |         |
| <b>9927</b> | 4068 - 7779 | epox high solid catalyst                                    | 39      |
| <b>9946</b> | 0699        | uretal polyurethane catalyst                                | 52      |
| <b>9950</b> | 0699        | uretal aliphatic polyurethane catalyst                      | 52      |
| <b>T530</b> | 0699        | uretal polyurethane catalyst for outdoor                    | 52      |
| <b>T539</b> | CONV        | uretal medium-grained polyacrylic metallic base coat enamel | 47      |
| <b>T560</b> | CONV        | gloss oven-baked acrylic enamel                             | 53      |



For the series where prices are fixed for dye bands, the weights per pack and the specific weight are not indicated because they vary depending on the paint.

To verify if paint must be considered **normal, average strong, and intense** reference must be made to the chromatic scale of RAL colours.

Are considered **normal** the colours similar to:

**beige, yellow oxide and pastels \*** series 1xxx

**grey** series 7xxx

**brown** series 8xxx

**black and white** series 9xxx

Are considered **medium-strong** the colours similar to:

**bright yellow \*** series 1xxx

**orange** series 2xxx

**blue** series 5xxx (excluded dye 5022 which is intense)

**green** series 6xxx

Are considered **intense** the colours similar to:

**red** series 3xxx (excluded dyes 3012, 3014, 3015 and 3022 that are medium-strong)

**violet** series 4xxx

\* in the Ral 1xxx series, the following colours are considered **normal** dyes:

1000 - 1001 - 1002 - 1011 - 1013 - 1014 - 1015 - 1019 - 1020 - 1024 - 1027

\* in the Ral 1xxx series, the following colours are considered **medium-strong** dyes:

1003 - 1004 - 1005 - 1006 - 1007 - 1012 - 1016 - 1017 - 1018 - 1021 - 1023 - 1028 - 1032 - 1033 - 1034

**N.B.** For all **bright red** of the series RAL 3xxx, price quotations can vary, even slightly, depending on the degree of resistance requested.

#### Increase coefficients for lead-free RAL colours

band A = multiply the price list of the **medium and strong** colours with the coefficient 1,04

band B = multiply the price list of the **medium and strong** colours with the coefficient 1,27

band C = multiply the price list of the **medium and strong** colours with the coefficient 1,56

band D = multiply the price list of the **medium and strong** colours with the coefficient 1,87

band E = multiply the price list of the **medium and strong** colours with the coefficient 2,12

band F = multiply the price list of the **medium and strong** colours with the coefficient 2,52

The quotations relate to compositions of maximum resistance; depending on the field of use, it is possible to prepare more economic colours. The prices obtained are purely indicative and must be confirmed by the **sales office**.



| RAL colour series | band A<br>x 1,04   | band B<br>x 1,27   | band C<br>x 1,56                             | band D<br>x 1,87   | band E<br>x 2,12                 | band F<br>x 2,52 |
|-------------------|--|--|--|--|----------------------------------|------------------|
| 1XXX              | RAL 1000<br>RAL 1011<br>RAL 1014<br>RAL 1015<br>RAL 1019<br>RAL 1024   | RAL 1017<br>RAL 1020<br>RAL 1034   | RAL 1012<br>RAL 1016<br>RAL 1018<br>RAL 1032 | RAL 1003<br>RAL 1004<br>RAL 1005<br>RAL 1006<br>RAL 1007<br>RAL 1021<br>RAL 1023<br>RAL 1027<br>RAL 1028<br>RAL 1033 |                                  |                  |
| 2XXX              |  |  | RAL 2003                                     | RAL 2000<br>RAL 2004<br>RAL 2008<br>RAL 2011<br>RAL 2012   | RAL 2001<br>RAL 2009<br>RAL 2010 | RAL 2002         |
| 3XXX              | RAL 3012   | RAL 3017   | RAL 3022                                     | RAL 3000<br>RAL 3002<br>RAL 3003<br>RAL 3013<br>RAL 3018<br>RAL 3027   | RAL 3001<br>RAL 3016<br>RAL 3031 | RAL 3020         |
| 4XXX              | RAL 4009   | RAL 4001<br>RAL 4007   |  |  |                                  |                  |
| 5XXX              | RAL 5000<br>RAL 5001<br>RAL 5018<br>RAL 5021<br>RAL 5024   |  |  |  |                                  |                  |
| 6XXX              | RAL 6004<br>RAL 6005<br>RAL 6009<br>RAL 6016<br>RAL 6019<br>RAL 6026<br>RAL 6027<br>RAL 6028<br>RAL 6033<br>RAL 6034             | RAL 6000<br>RAL 6001<br>RAL 6003<br>RAL 6007<br>RAL 6010<br>RAL 6013<br>RAL 6014<br>RAL 6020<br>RAL 6022<br>RAL 6024<br>RAL 6029<br>RAL 6032 | RAL 6008<br>RAL 6017<br>RAL 6025             | RAL 6002   |                                  |                  |
| 7XXX              | RAL 7001<br>RAL 7005<br>RAL 7006<br>RAL 7016<br>RAL 7024<br>RAL 7026<br>RAL 7031<br>RAL 7032<br>RAL 7033<br>RAL 7044<br>RAL 7045 |  |  |  |                                  |                  |
| 8XXX              | RAL 8002<br>RAL 8008<br>RAL 8015<br>RAL 8023<br>RAL 8028   | RAL 8019   | RAL 8007                                     |  |                                  |                  |
| 9XXX              | RAL 9004<br>RAL 9018   |  |  |  |                                  |                  |

**Sample colours and colour chart not available in the warehouse; to be prepared on request**

The minimum quantity for the preparation of an enamel which is not provided for in stock in the warehouse is:

**8 - 10 buckets (minimum 200 kg)** or  
**40 tins of 5 kilograms or litres** each

Minimum quantities per order:

primers and anti-rust 1.000/1.200 kg  
epoxy additives coloured 250 kg

We highlight that the optimum quantities for the preparation of coloured enamels are as follows:

8 - 10 buckets (or 40 x 5) or 11 and its multiples, namely 22, 33 and 44 buckets.  
(capacity of the pallets = 22 buckets)

For packs in tins of 5 kg (or litres) increase of 0.26 Euro per kg (or per litre) per price of bucket.

For the supply of small quantities of enamels that must be prepared on order, 2.58 Euro will be charged per net kg to be added to the price list (for orders of 1 bucket of about 25 kg).

Orders of sample dyes below 1 bucket (about 25 kg) are not accepted.

Note that the average time of preparation of the products in the price list, without the S indication (therefore, for products not ready in stock), is the following:

|  |                           |
|--|---------------------------|
| transparent varnishes                  | 6 working days            |
| non catalysed enamels                  | 6 working days            |
| catalysed enamels                      | 7 working days            |
| all additives                          | 7 working days            |
| primers and paints for grinding        | 10 working days           |
| primers and paints for spreading       | 5 working days            |
| special products not in the price list | from 7 to 10 working days |
| all products for grinding              | 10 working days           |

Taking into account the above average time of preparation, the client also (and especially the dealer of industrial products) will be able to organise his own purchases promptly and, therefore, better meet the needs without any delay.

# correspondence of converters - finished products

| code converter     | trademark | description                                      | finished product code |
|--------------------|-----------|--|-----------------------|
| <b>T130 / CONV</b> | Nitral    | nitrosynthetic enamel gloss                      | 1900/                 |
| <b>T135 / CONV</b> | Nitral    | nitrosynthetic enamel gloss                      | 1305/                 |
| <b>T272 / CONV</b> | Sintal    | quick-drying enamel semi-gloss                   | 2702/                 |
| <b>T510 / CONV</b> | Alceite   | chlorinated rubber enamel gloss                  | 5100/                 |
| <b>T520 / CONV</b> | Epox      | epoxy enamel gloss                               | 5200/                 |
| <b>T521 / CONV</b> | Epox      | epoxy enamel semi-matt                           | 5201/                 |
| <b>T523 / CONV</b> | Epox      | epoxy base coat matt                             | 5203/                 |
| <b>T528 / CONV</b> | Epox      | epoxy texture one coat                           | 5280/                 |
| <b>T530 / CONV</b> | Uretal    | polyurethane enamel gloss                        | 5300/                 |
| <b>T532 / CONV</b> | Uretal    | polyurethane enamel extra semi-gloss             | 5352/                 |
| <b>T535 / CONV</b> | Uretal    | polyurethane enamel extra gloss                  | 5350/                 |
| <b>T538 / CONV</b> | Uracril   | polyurethane texture one coat gloss              | 5380/                 |
| <b>T539 / CONV</b> | Uracril   | polyacrylic metal base enamel medium grain       | 5329/                 |
| <b>T560 / CONV</b> | Uracril   | acrylic enamel oven-baked to 140°                | 5600/                 |
| <b>T570 / CONV</b> | Catalik   | ureic nitro enamel gloss                         | 5700/                 |
| <b>T682 / CONV</b> | Ferrum    | universal synthetic anti-rust                    | 6282/                 |
| <b>2706 / CONV</b> | Sintal    | fast synthetic enamel gloss                      | 2706/                 |
| <b>2809 / CONV</b> | Uretal    | aliphatic one-pack PUR enamel - bright           | 2809/                 |
| <b>5102 / CONV</b> | Alceite   | chlorinated rubber undercoat                     | 5102/                 |
| <b>5204 / CONV</b> | Epox      | zinc phosphate epoxy base coat - matt            | 5204/                 |
| <b>5252 / CONV</b> | Epox      | epoxy-vinyl enamel semi-gloss                    | 5252/                 |
| <b>5282 / CONV</b> | Epox      | epoxy texture semi-matt                          | 5282/                 |
| <b>5284 / CONV</b> | Epox      | epoxy thixotropic texture one coat               | 5284/                 |
| <b>5287 / CONV</b> | Epox HS   | epoxy texture high solids                        | 5287/                 |
| <b>5355 / CONV</b> | Uretal    | polyacrylic base metal enamel - matt             | 5355/                 |
| <b>5383 / CONV</b> | Uracril   | polyacrylic enamel pearl matt                    | 5383/                 |
| <b>5383 / PERL</b> | Uracril   | polyacrylic enamel pearl matt                    | 5383/PERL             |
| <b>5800 / CONV</b> | Uracril   | polyacrylic enamel for industrial bodywork       | 5800/                 |
| <b>5820 / CONV</b> | Uracril   | polyacrylic enamel for high voltage - glossy     | 5820/                 |
| <b>5821 / CONV</b> | Uracril   | polyacrylic enamel for high voltage matt         | 5821/                 |
| <b>5822 / CONV</b> | Uracril   | polyacrylic enamel for high voltage - semi-gloss | 5822/                 |
| <b>5877 / CONV</b> | Uracril   | polyacrylic enamel high solids - bright          | 5877/                 |
| <b>6272 / CONV</b> | Ferrum    | quick-drying synthetic anti-rust                 | 6272/                 |
| <b>6273 / CONV</b> | Ferrum    | quick-drying synthetic anti-rust                 | 6273/                 |



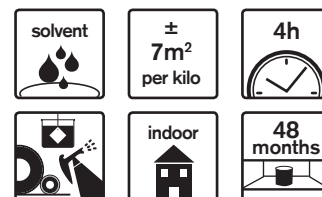


# nitro transparent coats

## nitral

### gloss soft nitro-finishing varnish

Transparent varnish for nitrocellulose finishing. Field of use: wood manufactured items for indoor use, furnishing and accessories, especially antique furniture. It is distinguished by excellent spreading and softness at touch; it does not remove the nitro base coats.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 0654/V000 | colourless  | 0,967           | lt 1          | 11         | S      |
| "         | "           | "               | lt 5          | 51         | S      |
| 0654/0000 | "           | "               | K 20          | 86         | S      |

datasheet NL 500

## nitral

### gloss nitro zapon

Transparent protective coat with low thickness based on nitrocellulose and special resins for painting metals such as brass, silver, bronze and iron. The product is only to be used for indoor products to protect them from oxidation and from stains produced by manipulation. Field of use: used for the protection of plates, lamps, ornaments, cups, silver objects, small metal items, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 0650/V000 | colourless  | 0,925           | lt 1          | 11         | S      |
| "         | "           | "               | lt 5          | 51         | S      |
| 0650/0000 | "           | "               | K 20          | 86         | S      |

datasheet NF 158

## nitral

## matt nitro enamel

Soft nitro enamel made of special alkyd resins and nitrocellulose, suitable for the finishing of lacquered furniture, antique furniture and furnishings in general, plinths, uprights, accessories and machine tools.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 1100/V093 | black       | 1,013           | lt 1          | 11         | S      |
| "         | "           | "               | lt 4          | 41         | S      |
| 1100/0093 | "           | "               | K 23          | 85         | S      |

datasheet NF 160

## nitral

## washing semi-gloss nitro enamel

Nitro synthetic enamel with special alkyd resins and nitrocellulose.  
Fields of use: painting of machine tools, machines for wood processing, shelving, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 1200 | normal colours            | 0,953-1,008     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NF 161

## nitral

## washing gloss nitro enamel

Enamel made of special alkyd resins and nitrocellulose for painting machine tools, machines for wood processing, shelving, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 1302 | normal colours            | 0,990-1,035     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NF 163



## nitro synthetic enamels

## nitral

## gloss nitro synthetic enamel

Enamel made of nitrocellulose and special alkyd resins for painting machine tools, machines for wood processing, shelving, etc. May be used in contact with mineral oil.  
Not recommended for outdoor resistant applications.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 1305/0093 | black                     | 0,975           | K 20          | 85         | S      |
| 1305      | normal colours            | "               | K 20          | 85         | -      |
| "         | medium and strong colours | "               | K 20          | 85         | -      |
| "         | intense colours           | "               | K 20          | 85         | -      |

datasheet NF 129

## nitral

## gloss nitro synthetic enamel

Nitrocellulose-based enamel with alkyd and plastic-coated resins, used for painting agricultural machinery, earth-moving machinery, industrial vehicles, machine tools, machines for wood processing, shelving, etc.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 1900/V000 | white                     | 1,092           | lt 1          | 11         | S      |
| "         | "                         | "               | lt 4          | 41         | S      |
| 1900/V093 | black                     | 1,005           | lt 1          | 11         | S      |
| "         | "                         | "               | lt 4          | 41         | S      |
| 1900      | normal colours            | 1,005-1,091     | K 21          | 85         | -      |
| "         | medium and strong colours | "               | K 21          | 85         | -      |
| "         | intense colours           | "               | K 21          | 85         | -      |

datasheet NF 205

## nitral

## bright nitro synthetic enamel

Nitro synthetic enamel made of special alkyd resins and nitrocellulose, suitable for painting without mechanical polishing; when sprayed, it shows low emission of fumes.  
Fields of use: painting of agricultural machinery, earth-moving machinery, industrial vehicles, machine tools, and machines for wood processing, shelving, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 1906 | normal colours            | 0,988-1,022     | K 21          | 85         | -      |
| "    | medium and strong colours | "               | K 21          | 85         | -      |
| "    | intense colours           | "               | K 21          | 85         | -      |

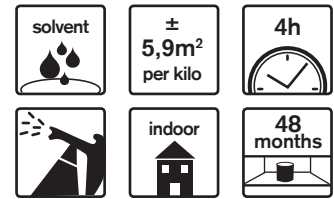
datasheet NF 233

# metallic nitro enamels

## nitral

### metallic nitro enamel

Metallic paint based on alkyd resins, nitrocellulose and aluminium metal pigment.  
Used in painting of metal furniture, machine tools, small metal items, etc.



| code      | description     | specific weight | unit quantity | pack. code | avail. |
|-----------|-----------------|-----------------|---------------|------------|--------|
| 1386/8665 | satin aluminium | 0,953           | K 21          | 85         | S      |
| 1386      | normal colours  | -               | K 21          | 85         | -      |

datasheet NF 166

## nitral

### metallic nitro enamel for wheels

Silver metal enamel based on nitrocellulose, alkyd and plastic-coated resins, particularly indicated for paint of rear load bodies and wheels of vehicles, small metal items, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 1586/V000 | aluminium   | 0,981           | lt 1          | 11         | S      |
| "         | "           | "               | lt 4          | 41         | S      |
| 1586/0000 | "           | "               | K 21          | 85         | S      |

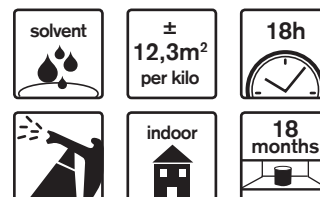
datasheet NF 206

## nitro uric enamels

## catalik

**gloss uric nitro enamel**

Acid hardener enamel based on nitrocellulose, alkyd and uric resins, used for coating metallic furnishings, shelving, wire fencing, lighting devices, false ceilings, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5700 | normal colours            | 1,005 - 1,171   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9080/0000 - 100% weight/vol.

datasheet NF 131

## catalik

**matt uric nitro enamel**

Acid hardener enamel based on nitrocellulose, alkyd and uric resins, used for metallic furnishings, shelving, wire fencing, lighting devices, false ceilings, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5701/0093 | black       | 1,088           | K 5           | 50         | S      |
| "         | "           | "               | K 20          | 85         | S      |

catalysts: 9080/0000 - 100% weight/vol.

datasheet NF 131

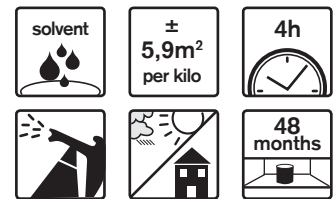


## catalysed epoxy base coats

## epox

## high adhesion epoxy primer

Primer based on epoxy resins with high adhesion to difficult surfaces, used as base coat with high anti-rust for iron, light alloys, galvanised sheet metals. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc. This product was made such as to allow easy sanding and an excellent smoothness of the surface, with consequent low absorption of the finishing coat.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5203/0017 | silver grey | 1,531           | K 5           | 50         | S      |
| "         | "           | "               | K 26          | 85         | S      |

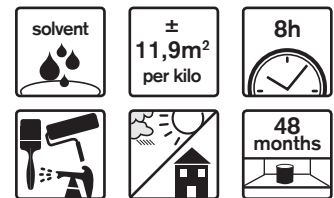
catalysts: 9926/7779 - 20% weight

datasheet NF 137

## epox

## high adhesion epoxy primer

Primer based on epoxy resins with high adhesion, used as base coat with high anti-rust for iron, light alloys, galvanised sheet metals. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5203/2287 | brick red   | 1,539           | K 28          | 85         | S      |

catalysts: 9925/7779 - 25% weight  
9926/7779 - 20% weight

datasheet NF 262

## epox

## matt epoxy base coat

Product made with epoxy resins and with special extenders. Field of use: as base coat with high anti-rust for iron, light alloys, galvanised sheet metals. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5203/0059 | beige       | 1,466           | K 4           | 40         | S      |
| "         | "           | "               | K 26          | 85         | S      |
| 5203/3946 | grey        | 1,462           | K 26          | 85         | S      |

catalysts: 9925/7779 - 25% weight  
9926/7779 - 20% weight

datasheet NF 101

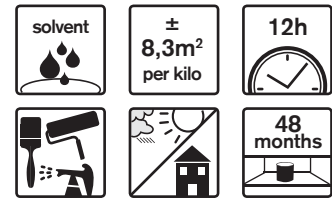




## epox

### **matt epoxy base coat**

Product made with epoxy resins and with special extenders, used as base coat with good anti-rust for iron, light alloys, galvanised sheet metals. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc.



| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 5203/3616 | grey RAL 7035 | 1,6             | K 26          | 85         | S      |

catalysts: 9925/7779 - 20% weight  
9926/7779 - 15% weight

datasheet NF 264

## epox

### **semi-matt epoxy-vinyl base coat**

Product made with epoxy resins and vinyl copolymers containing zinc phosphate and special corrosion inhibitors. It is characterised by high verticality and low absorption of the finishing enamel. Excellent overpainting and maintenance in time. Excellent adhesion on zinc rich primers. fields of use: metallic structures, large carpentry and products that are generally destined for exhibition in atmospheres with medium and strong chemical aggression.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5253/4678 | grey        | 1,448           | K 25          | 85         | S      |
| 5253/4790 | ivory R1015 | 1,451           | K 25          | 85         | S      |

catalysts: 9926/4000 - 20% weight

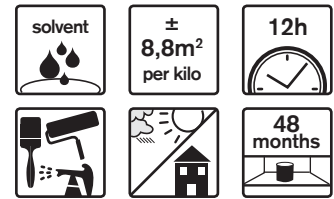
datasheet NF 321

# catylsed epoxy base coats with phosphate

## epox

### matt epoxy base coat with zinc phosphate

Product made with epoxy resins containing zinc phosphate and special inhibitors. Fields of use: as base coat with high anti-rust for iron, light alloys, galvanised sheet metals. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5204/0059 | beige       | 1,468           | K 4           | 40         | S      |
| "         | "           | "               | K 28          | 85         | S      |

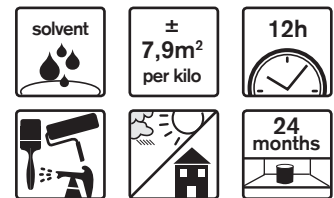
catalysts: 9925/7779 - 25% weight  
9926/7779 - 20% weight

datasheet NF 100

## epox

### matt epoxy base coat with zinc phosphate

Newly developed product made with epoxy resins, containing zinc phosphate and special corrosion inhibitors. It is characterised by high verticality and low absorption of the finishing enamel, even in "wet on wet" cycles. It can be overpainted with any type of enamels and paints: nitro, glycerophthalic, epoxy, polyurethane, etc. Fields of use: as base coat with high anti-rust for iron, light alloys, galvanised sheet metals.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5204/4678 | grey        | 1,535           | K 25          | 85         | S      |
| 5204/4790 | ivory R1015 | "               | K 25          | 85         | S      |

catalysts: 9926/4000 - 20% weight

datasheet NF 317

# high solid catalysed epoxy base coats

## epox HS

### high solid epoxy base coat

High solid newly developed product made with special epoxy resins and with special additives and extenders that allow obtaining a high opacity and filler base coat, and an excellent resistance to water.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5227/0017 | silver grey | 1,707           | K 28          | 85         | S      |

catalysts: 9927/7779 - 8% weight

datasheet NF 259



## epoxy zinc coats

**epoxy zinc coat**

Solvent-based paint rich in metal zinc powder, based on epoxy resins that guarantee a galvanic active protection in time. Indicated for all main cycles of anti-corrosive coating for steel supports.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5289/0000 | grey        | 2,866           | lt 8          | 58         | S      |

catalysts: 9926/4000 - 10% weight

datasheet NF 324

**epoxy zinc coat**

Two-pack solvent-based paint rich in metal zinc powder, based on epoxy resins that guarantee a galvanic active protection in time. Indicated for all main cycles of anti-corrosive coating for steel supports.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5289/2575 | zinc grey   | 2,256           | lt 10         | 61         | S      |

catalysts: 9926/4000 - 8% weight

datasheet NF 327



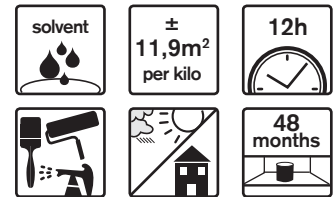
## catalysed epoxy enamels

## epox

## gloss epoxy enamel

Enamel made with epoxy resins for the petrochemical and chemical industry.

Fields of use: shipbuilding, transport, construction, agricultural, conditioning, machine tools, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5200 | normal colours            | 1,032-1,270     | K 23          | 85         | -      |
| "    | medium and strong colours | "               | K 23          | 85         | -      |
| "    | intense colours           | "               | K 23          | 85         | -      |

catalysts: 9925/7779 - 40% weight  
9926/0000 - 35% weight  
9926/7779 - 30% weight

datasheet NF 118

## epox

## semi-matt epoxy enamel

Enamel based on epoxy resins widely used in the petrochemical and chemical industry.

Fields of use: shipbuilding, transport, construction, agricultural, conditioning, machine tools, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5201 | normal colours            | 1,228-1,348     | K 26          | 85         | -      |
| "    | medium and strong colours | "               | K 26          | 85         | -      |
| "    | intense colours           | "               | K 26          | 85         | -      |

catalysts: 9925/7779 - 35% weight  
9926/0000 - 25% weight  
9926/4068 - 40% weight  
9926/7779 - 25% weight

datasheet NF 127

## epox

## semi-gloss epoxy enamel

Enamel made with epoxy resins for the petrochemical and chemical industry. Suitable for products that need one coat painting and good direct adherence. Fields of use: shipbuilding, transport, construction, agricultural, conditioning, machine tools, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5202 | normal colours            | 1,032-1,308     | K 26          | 85         | -      |
| "    | medium and strong colours | "               | K 26          | 85         | -      |
| "    | intense colours           | "               | K 26          | 85         | -      |

catalysts: 9925/7779 - 30% weight  
9926/0000 - 30% weight  
9926/7779 - 30% weight

datasheet NF 151



# epox

## semi-gloss epoxy-vinyl enamel

Enamel based on epoxy resin modified with special vinyl resins, particularly indicated for the protection of industrial plants and of steel structures located in atmospheres with strong chemical aggression or subject to moisture and salinity, especially when high resistance and ease of maintenance is requested.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5252 | normal colours            | 1,233-1,374     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9926/0000 - 10% weight

datasheet NF 240

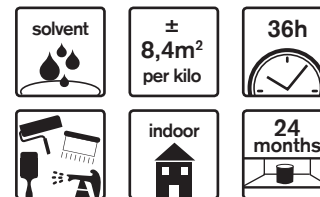


# catalsed epoxy for food

## palladion HS

### high thickness epoxy primer for food

Base coat paint with two components based on liquid epoxy resins which are solvent-free and without toxic pigments. The low content of solvents allows obtaining a thickness of 80-100 microns dried with only one hand. It is used on cement or on ferrous materials as base coat in cycles under 255 palladion hs non-toxic for the internal protection of tanks and cisterns for food substances.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 0254/0000 | beige       | 2,135           | K 25          | 85         | S      |

catalysts: 0255/9 - 12% weight

datasheet NF 254

## palladion HS

### high thickness epoxy coating for food

Two-component air drying special product based on liquid epoxy resins which are solvent-free and without toxic pigments. The absence of solvents allows obtaining with only one coat thick coatings with high chemical inertness and minimum degree of transfer. It is used as coating and internal protection of tanks and cisterns for food substances such as drinking water, musts in fermentation, wine, oil, beer, preserves, and fruit juices etc.



| code     | description | specific weight | unit quantity | pack. code | avail. |
|----------|-------------|-----------------|---------------|------------|--------|
| 0255/001 | white       | 1,859           | K 23          | 80         | S      |

catalysts: 0255/9 - 25% weight

datasheet NF 255



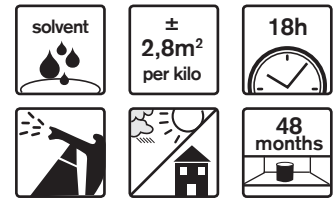


# catalsed epoxy additives

## epox

### one coat epoxy texture

Textured enamel made with epoxy resins, fillers resistant to acids, bases and special thixotropic agents. Fields of use: as finishing coat for machine tools, metallic furnishings, scientific, chemical and petrochemical industry equipment.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 5280/0000 | white                     | 1,454           | K 4           | 40         | S      |
| "         | "                         | "               | K 20          | 85         | -      |
| 5280/0093 | black                     | 1,313           | K 4           | 40         | S      |
| 5280/0278 | blue sky RAL 5015         | 1,396           | K 4           | 40         | S      |
| "         | "                         | "               | K 20          | 85         | S      |
| 5280/0265 | green RAL 6011            | 1,411           | K 4           | 40         | S      |
| "         | "                         | "               | K 20          | 85         | S      |
| 5280/0284 | grey RAL 7035             | 1,452           | K 20          | 85         | S      |
| 5280/0291 | grey RAL 7032             | 1,431           | K 4           | 40         | S      |
| "         | "                         | "               | K 20          | 85         | S      |
| 5280      | normal colours            | 1,275-1,408     | K 20          | 85         | -      |
| 5280      | medium and strong colours | "               | K 20          | 85         | -      |
| 5280      | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9925/7779 - 25% weight  
9926/7779 - 20% weight

datasheet NF 121

## epox

### semi-matt epoxy texture

Epoxy texture finely ground and containing epoxy resins. Fields of use: as finishing coat for machine tools, metallic furnishings, scientific, chemical and petrochemical industry equipment.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5282 | normal colours            | 1,227-1,346     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9926/7779 - 20% weight

datasheet NF 154

product not in stock, minimum quantity 500 kg.



## epox

### one coat epoxy thixotropic texture

Textured enamel made with epoxy resins, fillers and special thixotropic agents.

Fields of use: as finishing coat for machine tools, metallic furnishings, and various equipment.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5284 | normal colours            | 1,450-1,574     | K 23          | 85         | -      |
| "    | medium and strong colours | "               | K 23          | 85         | -      |
| "    | intense colours           | "               | K 23          | 85         | -      |

catalysts: 9926/7779 - 15% weight

datasheet NF 266

product not in stock, minimum quantity 500 kg.



# high solid catalysed epoxy additives

## epox HS

### high solid epoxy texture

One coat texture made with special epoxy resins with low molecular weight and special thixotropic agents that allow for applications with high verticality and high thickness, with high filling. The catalysed product is characterised by a high content of dry residue which involves a reduced emission of VOC. Field of use: as one coat for machine tools.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5287 | normal colours            | 1,463-1,585     | K 25          | 85         | -      |
| "    | medium and strong colours | "               | K 25          | 85         | -      |
| "    | intense colours           | "               | K 25          | 85         | -      |

catalysts: 9927/4068 - 25% weight  
9927/7779 - 15% weight

datasheet NF 260



# catalysed epoxy base coats / finishing

## epoxitar

### coal tar epoxy

Paint based on epoxy-polyamide and coal tar resins, made for high thickness applications, with excellent resistance in strongly aggressive operating conditions where no aesthetic finishing is required. Widely used for the protection of structures submerged in sea water and fresh water, exposed to vapours and spray of acids, bases and light organic solvents. Also suitable for buried structures.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5243/2929 | black       | 1,299           | lt 14         | 83         | S      |

catalysts: 5299/0000 - 25% weight

datasheet NF 319

## epox

### scudoferrum metallic epoxy paint

Paint based on epoxy resin and metal pigment. contains a metal pigment of lamellar structure that forms in the film a barrier structure giving the product high corrosion resistance, low permeability to moisture, excellent resistance to immersion and to photochemistry and photocatalytic destruction. Field of use: as base coat and/or finishing coat with high resistance to corrosion and abrasion. particularly suitable for marine platforms and submersible pumps.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5239/0000 | iron grey   | 1,877           | K 30          | 85         | S      |

catalysts: 9926/7779 - 15% weight

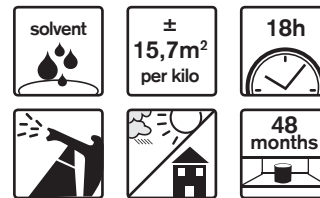
datasheet NF 157

## catalysed metallic epoxy enamels

## epox

## fine-grained metallic epoxy enamel

Metallic enamel made with epoxy resin. Fields of use: industrial washing machines, machine tools, small metal items, wainscots, equipment, etc.



| code      | description                      | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------------------------|-----------------|---------------|------------|--------|
| 5286/0401 | grey                             | 1,019           | lt 4          | 41         | *      |
| "         | "                                | "               | K 20          | 85         | *      |
| 5286/0428 | clear silver<br>(double coating) | 1,313           | lt 4          | 41         | S      |
| "         | "                                | "               | K 20          | 85         | *      |

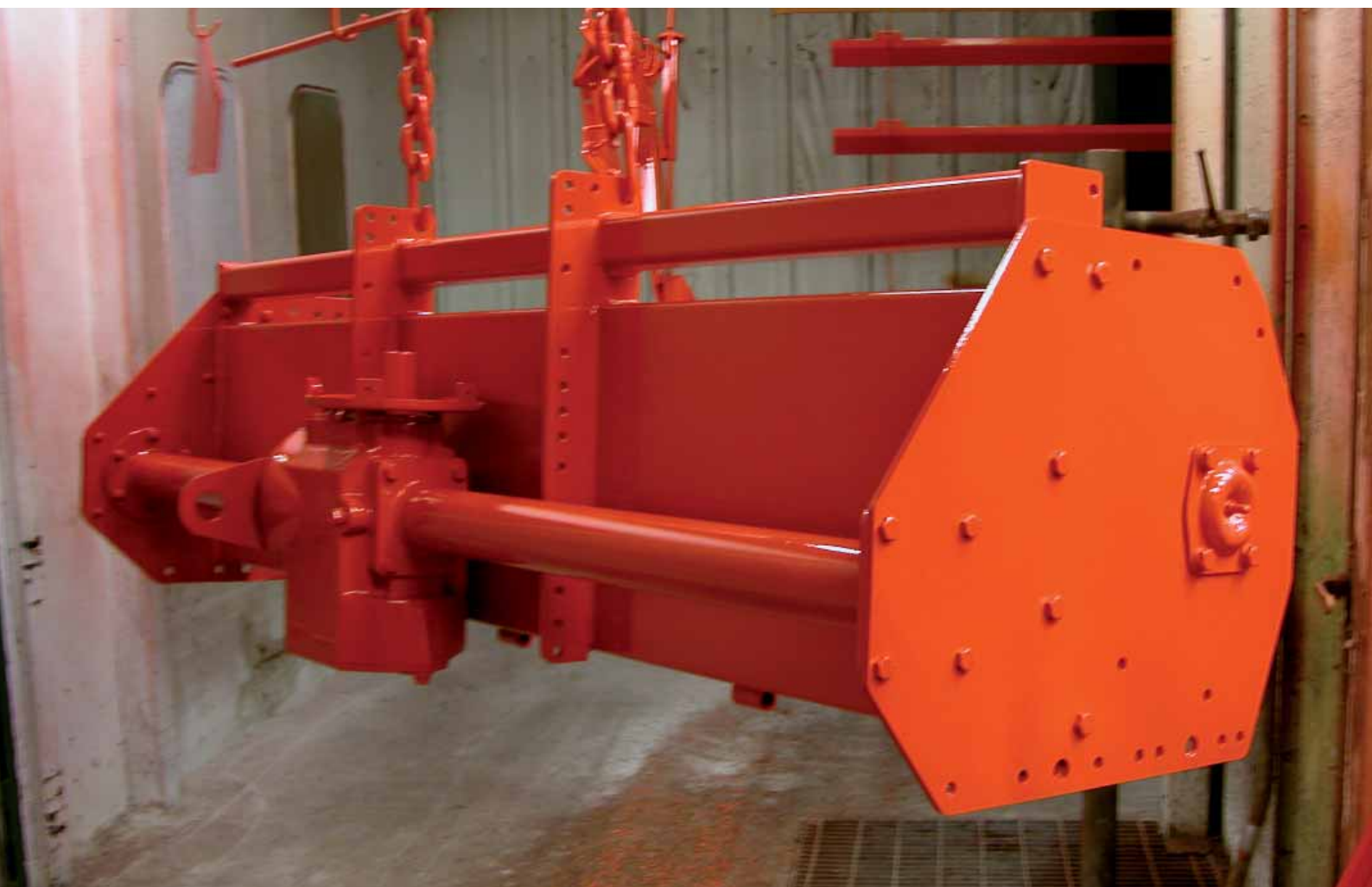
catalysts: 9926/0000 - 35% weight  
9926/7779 - 35% weight

datasheet NF 173

\* product not in stock, minimum quantity 500 kg.

# catalysts for epoxies

| code             | trademark | description                         | specific weight | unit quantity         | pack. code     | avail.      |
|------------------|-----------|-------------------------------------|-----------------|-----------------------|----------------|-------------|
| 0255/9           | -         | polyamine catalyst for palladion HS | 1,020           | K 3                   | 40             | S           |
| 5299/0000        | epoxitar  | catalyst for epoxytar               | 1,101           | lt 4                  | 41             | S           |
| 9925/7779        | epox      | fast-drying polyamine catalyst      | 0,919           | lt 1<br>lt 5          | 11<br>51       | S<br>S      |
| 9926/0000        | epox      | polyamide catalyst                  | 0,914           | lt 1<br>lt 5          | 11<br>51       | S<br>S      |
| 9926/4000        | epox      | mat polyamide catalyst              | 0,892           | lt 5<br>lt 2,5        | 11<br>51       | S<br>S      |
| 9926/4068        | epox      | mat polyamide catalyst              | 0,937           | lt 1<br>lt 5          | 11<br>51       | S<br>S      |
| 9926/7779        | epox      | rapid polyamide catalyst            | 0,906           | lt 1<br>lt 5<br>lt 20 | 11<br>51<br>87 | S<br>S<br>S |
| datasheet NF 123 |           |                                     |                 |                       |                |             |
| 9927/4068        | epox HS   | high solid catalyst                 | 1,190           | lt 5                  | 51             | S           |
| 9927/7779        | epox HS   | high solid catalyst                 | 1,017           | lt 2,5<br>lt 5        | 25<br>51       | S<br>S      |

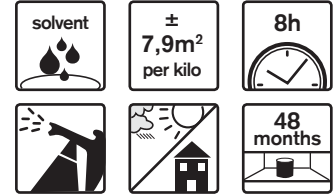


# polyurethane and polyacrylic base coats

## uretal

### filler polyurethane base coat

Filler polyurethane base coat made with saturated hydroxylate polyester resins. It is used as base coat in the bodywork industry, machine tools, as insulation for refurbishment of solvent-resistant paint (not thermoplastic) for example oven-baked enamels, polyurethanes, epoxies etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5303/V051 | silk grey   | 1,556           | lt 4          | 41         | S      |

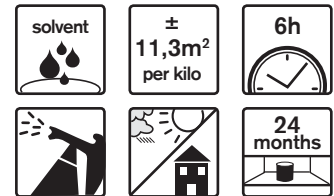
catalysts: 9912/0699 - 30% weight

datasheet NF 124

## uracril

### high adhesion polyacrylic base coat

Filler polyacrylic base coat made with hydroxylate acrylic resins. It is used as base coat in bodywork industry, as insulation for refurbishment of solvent-resistant paint. The product is characterised by excellent verticality that allows obtaining dry thickness (80-100 microns with two crossed coats).



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5823/0017 | silver grey | 1,541           | kg 20         | 80         | S      |

catalysts: 9950/0699 - 20% weight

datasheet NF 382

### high adhesion 2k polyacrylic base coat

One coat texture made with special epoxy resins with low molecular weight and special thixotropic agents that allow for applications with high verticality and high thickness, with high filling. The catalysed product is characterised by a high content of dry residue which involves a reduced emission of VOC. This allows painting particularly awkward supports. Field of use: as one coat for machine tools.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5827/4968 | beige       | 1,529           | K 25          | 85         | S      |

catalysts: 9906/0699 - 15% weight  
9909/0699 - 30% weight

datasheet NF 331.1



# high solid polyacrylic enamels

## uracril HS

### polyacrylic enamel high solids - bright

Polyacrylic enamel based on acrylic resins and saturated polyesters used in iron industry for the finishing of agricultural machinery, earth moving machinery, industrial vehicles, metal furniture etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5877 | normal colours            | 1,036-1,282     | K 25          | 85         | -      |
| "    | medium and strong colours | "               | K 25          | 85         | -      |
| "    | intense colours           | "               | K 25          | 85         | -      |

catalysts: 5370/0699 - 40% weight  
9950/0699 - 50% weight

datasheet NF 311

## uracril HS

### bright high solid polyacrylic enamel

Polyacrylic enamel based on modified acrylic resins used in the field of industrial bodywork. complies to legislative decree 161 (ex dm 42) regarding the content of the VOC applied.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5879 | normal colours            | 1,036-1,282     | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

catalysts: 99HS/0699 - 30% weight

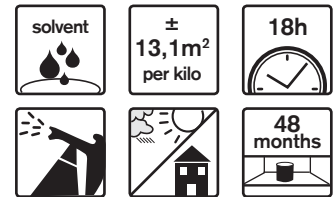
datasheet NF 371

## polyurethane enamels

## uretal

## gloss polyurethane enamel

Polyurethane enamel based on hydroxylate alkyd resins used as gloss finishing in the industrial sector. Field of use: machine tools, electrical equipment, furniture, industrial robots, etc. (with catalyst for indoors 9912/0699); machinery and farm wagons, earth-moving machines, rear load bodies of trucks, etc. (with catalyst for outdoors t530/0699).



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5300 | normal colours            | 1,015-1,230     | K 21          | 85         | -      |
| "    | medium and strong colours | "               | K 21          | 85         | -      |
| "    | intense colours           | "               | K 21          | 85         | -      |

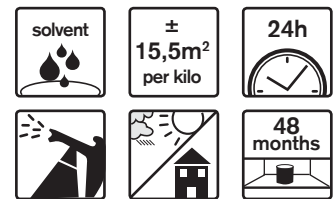
catalysts: 9912/0699 - 50% vol.  
 T530/0699 - 100% vol.  
 T530/0699 - 50 weight (see datasheet)

datasheet NF 177

## uretal

## gloss polyurethane enamel

Enamel made with saturated hydroxylate polyester resins in combination with aliphatic and mixed aromatic/aliphatic polyisocyanates. It can be used for both interior and exterior. it is used in the field of industry and bodywork industry, for coating riversides, various fittings, rescue trucks, vans, refrigerator trucks, tanks, earth moving machinery, agricultural machinery, bicycles and motorcycles.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5355 | normal colours            | 1,048-1,324     | K 21          | 85         | -      |
| "    | medium and strong colours | "               | K 21          | 85         | -      |
| "    | intense colours           | "               | K 21          | 85         | -      |

catalysts: 5370/0699 - 25% vol.  
 9906/0699 - 25% vol.  
 9909/0699 - 50% vol.  
 T530/0699 - 50% vol.

datasheet NF 287



## uretal

### extra gloss repolishable polyurethane enamel

Enamel made with saturated hydroxylate polyester resins in combination with aliphatic and mixed aromatic/aliphatic polyisocyanates. It can be used for both interior and exterior. It is used in bodywork industry, for coating riversides, various fittings, rescue trucks, vans, refrigerator trucks, tanks, earth moving machinery, agricultural machinery, bicycles and motorcycles.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 5350/0000 | white                     | 1,419           | K 5           | 50         | S      |
| "         | "                         | "               | K 23          | 85         | S      |
| 5350/0093 | black                     | 1,047           | K 5           | 50         | S      |
| 5350      | normal colours            | 1,05-1,41       | K 23          | 85         | -      |
| "         | medium and strong colours | "               | K 23          | 85         | -      |
| "         | intense colours           | "               | K 23          | 85         | -      |

catalysts: 9906/0699 - 50% volume  
9909/0699 - 100% volume  
9912/0699 - 100% volume  
T530/0699 - 100% volume

datasheet NF 112

## uretal

### extra semi-gloss polyurethane enamel

Product made with saturated hydroxylate polyester resins used for machine tools, metal furnishings, earth-moving equipment, prefabricated structures, metal frames, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5352 | normal colours            | 1,112-1,360     | K 21          | 85         | -      |
| "    | medium and strong colours | "               | K 21          | 85         | -      |
| "    | intense colours           | "               | K 21          | 85         | -      |

catalysts: 9909/0699 - 70% vol.  
T530/0699 - 70% vol.

datasheet NF 134

## uracril

**bright polyacrylic enamel (industrial bodywork)**

Enamel based on hydroxylate acrylic resins and saturated polyesters in combination with aliphatic polyisocyanates. Indicated for the industrial bodywork, earth-moving machines, agricultural machines, bicycles and motorcycles, tanks, service stations, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5800 | normal colours            | 1,033-1,288     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9950/0699 - 50% vol.

datasheet NF 295

## uracril

**gloss high adhesion polyacrylic enamel**

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, used as gloss finishing in the industrial sector. Used as one coat, it provides excellent quality finishing with direct adhesion to aluminium, iron, brass and galvanised sheet metal.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5820 | normal colours            | 0,969-1,131     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9906/0699 - 20% vol.

datasheet NF 290

product not in stock, minimum quantity 1000 kg. (even with more combined colours)

## uracril

**matt high adhesion polyacrylic enamel**

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, used as semi-matt finishing in the industrial sector. Used as one coat, it provides excellent quality finishing with direct adhesion to aluminium, steel, brass and galvanised sheet metal.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5821 | normal colours            | 1,157-1,320     | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

catalysts: 9906/0699 - 20% weight

datasheet NF 326



# uracril

## semi-gloss one coat acrylic enamel

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, used as semi-gloss finishing in the industrial sector. Used as one coat, it provides excellent quality finishing with direct adhesion to aluminium, steel, brass and galvanised sheet metal.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5822 | normal colours            | 1,157-1,320     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9906/0699 - 12% weight  
9909/0699 - 25% weight

datasheet NF 289

product not in stock, minimum quantity 1000 kg. (even with more combined colours)

## semi-gloss 2k one coat acrylic enamel

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, used as gloss finishing in the industrial sector. Used as one coat, it provides excellent quality finishing with direct adhesion to aluminium, iron, brass and galvanised sheet metal.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5826 | normal colours            | 1,160-1,340     | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

catalysts: 5826/0699 - 40% weight

datasheet NF 377

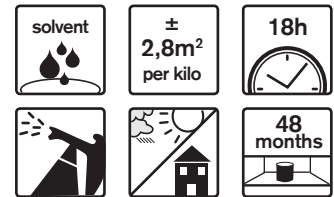
product not in stock, minimum quantity 1000 kg. (even with more combined colours)

## textured polyurethane and polyacrylic enamels

## uretal

**gloss one coat polyurethane additive**

Polyurethane additive based on special hydroxylate alkyd resins with high elasticity and adhesion. It is used in the field of machine tools, metal furnishings, equipment and electrical switchboards, small household appliances, etc.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 5380/A284 | grey RAL 7035             | 1,266           | K 23          | 85         | S      |
| 5380      | normal colours            | 1,123-1,226     | K 25          | 85         | *      |
| "         | medium and strong colours | "               | K 25          | 85         | *      |
| "         | intense colours           | "               | K 25          | 85         | *      |

catalysts: 5308/0699 - 20% vol.  
5380/0699 - 20% vol.  
T530/0699 - 40% vol.

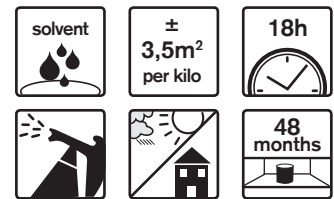
datasheet NF 178

(\*) product not in stock, minimum quantity 250 kg.

## uretal

**semi-gloss one coat polyurethane additive**

Polyurethane additive based on special hydroxylate alkyd resins with high elasticity and adhesion. used in the field of machine tools, metal furnishings, equipment and electrical switchboards, small household appliances, etc. Wood industry: MDF, particle board treated with melamine paper, drawers, office furniture.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5382 | normal colours            | 1,239-1,354     | K 25          | 85         | -      |
| "    | medium and strong colours | "               | K 25          | 85         | -      |
| "    | intense colours           | "               | K 25          | 85         | -      |

catalysts: 9912/0699 - 30% weight

datasheet NF 242

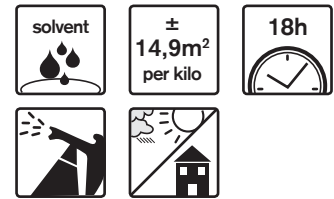
product not in stock, minimum quantity 400 kg.

# metallic polyurethane and polyacrylic enamels

## uretal

### medium-grained polyacrylic metallic base coat enamel

Medium-grained metallic polyacrylic enamel with direct gloss, characterised by excellent resistance to chemical and weather agents, durability of colour and excellent brightness. Used for finishing with direct gloss in bodywork industry and in the wood industry for special effects.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| T539/CONV | silver      | 1,05            | lt 8          | 58         | S      |

catalysts: 9909/0699 - 50% weight

datasheet NF 176

## uracril

### mat polyacrylic metal base coat enamel

Silky metallic polyacrylic enamel with silk effect based on hydroxylate acrylic resin. field of use: in the field of furniture where finishing are required with aesthetic effect similar to fine sandblasted aluminium (satin). Iron industry: industrial bodywork, metal furnishings, machine tools, bicycles and motorcycles, small metal items, etc. Wood industry: furniture, skirting frames, stand furnishings, shop counters, window articles.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5383/CONV | aluminium   | 0,975           | lt 16         | 84         | S      |

catalysts: 9909/0699 - 30% weight

datasheet NF 239

## uretal

### mat fine-grained metallic polyacrylic enamel

Metallic enamel, based on hydroxylate acrylic resins and polyester used in industrial bodywork, metal furnishings, machine tools, metal distributors, electrical equipment, small metal items, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5386/2271 | grey        | 1,049           | K 20          | 85         | -      |

catalysts: 9909/0699 - 50% weight

datasheet NF 179

product not in stock, minimum quantity 500 kg.

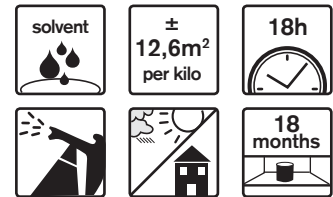
(for the realisation of colours use T536/CONV)

# catalysed polyacrylic transparent coats

## uretal

### gloss polyacrylic varnish

Transparent varnish made with hydroxylate acrylic resins and unsaturated polyesters, combined with aliphatic isocyanate catalysts. Field of use: as transparent finishing on metallised and pearly products, for fixing transfers and in industrial bodywork in general.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/0000 | colourless  | 0,988           | lt 1          | 11         | S      |
| -         | -           | -               | K 20          | 86         | S      |

catalysts: 9909/0699 - 50% vol.

datasheet NF 109

## uretal

### gloss polyacrylic varnish

Two-pack acrylic transparent topcoat for use in combination with polyurethane hardener with characteristics of excellent brilliance, good surface hardness and good resistance to atmospheric agents. It can be used as finishing in b/b cycles with metallic base series 2285/, for painting various handmade articles where a quality aesthetic finishing is required.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/2444 | colourless  | 1,003           | lt 5          | 51         | S      |

catalysts: 9906/0699 - 35% weight

datasheet NR 739

## uretal

### satin polyacrylic varnish (indoor)

Anti-yellowing transparent coat based on hydroxylate acrylic resin, satin and soft to the touch, used as transparent finishing on wood (after the base coat). Also used as finishing transparent coat on pigmented lacquering to give a soft and scratch-resistant effect and to standardise the surface. It has good verticality. Field of use: varnish for interior of artefacts (furniture in general) in light wood or as finishing on textured, embossed, metallised products, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/2969 | colourless  | 0,939           | K 20          | 86         | S      |

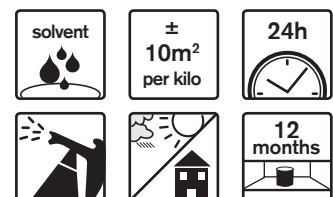
catalysts: 9909/0699 - 30% weight

datasheet NL 709

## uretal

### double effect gloss 2k acrylic varnish

Transparent coat based on hydroxylate acrylic resins for use in combination with isocyanate/aliphatic hardeners with characteristics of excellent brilliance, good surface hardness and good resistance to outdoors. It can be used as finishing in b/b cycles with pastel base coats series 2285/, for painting various handmade articles where a quality aesthetic finishing is required, having a metallic multicolour effect.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/5294 | colourless  | 1,01            | lt 4          | 41         | S      |

catalysts: 9906/0699 - 35% weight

datasheet NR 756





## uretal

### **gloss polyacrylic varnish**

Two-pack acrylic transparent topcoat for use in combination with polyurethane hardener with characteristics of excellent brilliance, good surface hardness and good resistance to atmospheric agents. It can be used as finishing in b/b cycles with metallic base coats series 2285/, for painting various handmade articles where a quality aesthetic finishing is required, having an excellent resistance to vandals paint.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/5999 | colourless  | 1,002           | lt 5          | 51         | -      |

catalysts: 9906/0699 - 40% weight

datasheet NR 756



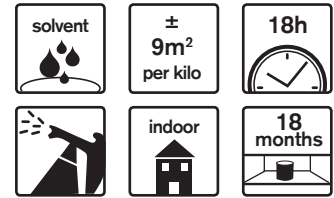
## polyurethane and polyacrylic enamels - special effects

pearly - soft - micaceous - textured

## uracril

## matt polyacrylic pearly enamel (indoor use)

Satin polyacrylic enamel with silk effect based on hydroxylate acrylic resin. field of use: for "pearly" finishing, only for indoor applications. Iron industry: metal furnishings, small metal items, etc. Wood industry: furniture, stand furnishings, shop counters, window articles. The product can be used to obtain the new RAL colours (see newsletter Smaltosistem NS 356).



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5383/PERL | fine pearl  | 1,019           | lt 8          | 58         | S      |

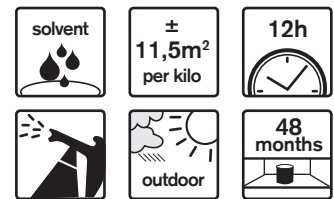
catalysts: 9909/0699 - 30% weight

datasheet NF 275

## uretal

## semi-matt micaceous polyurethane enamel

Enamel based on hydroxylate polyester resins and micaceous iron oxide, a special metallic pigment of lamellar structure that leads to the formation of a "tortoise"-structured layer. This gives to the product a very high resistance to photochemical and photocatalytic degradation. The product is used for coating metallic structures such as bridges, gates, railings, gratings, lampposts, furnishings and all handmade articles where a wrought iron type finishing is required.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5339/0401 | silver      | 1,615           | K 5           | 50         | S      |
| "         | "           | "               | K 28          | 85         | S      |

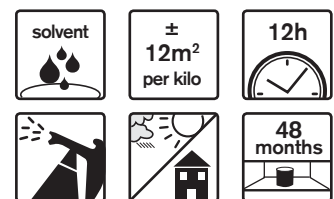
catalysts: 9909/0699 - 80% vol.  
T530/0699 - 80% vol.

datasheet NF 245

## uretal

## textured polyurethane enamel

Product made with saturated hydroxylate polyester resins and a special textured effect that gives the dried layer an anti-slip feature and increases resistance to scratches. The product is used to paint machine tools, metal furnishings, earth-moving machines, prefabricated structures, metal frames, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5372 | normal colours            | 1,067-1,299     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 9911/0699 - 50% vol.  
T530/0699 - 50% weight

datasheet NF 274



## uretal

### metallic textured polyacrylic enamel (T536/ or T539/CONV)

Metallic enamel based on hydroxylate acrylic resins and texturing additive. Field of use: furnishing in general such as office furniture, shop counters, handles, lighting equipment, car dashboards, etc.



| code | description    | specific weight | unit quantity | pack. code | avail. |
|------|----------------|-----------------|---------------|------------|--------|
| 5376 | normal colours | 1,055           | K 21          | 85         | -      |

catalysts: 9909/0699 - 50% weight

datasheet NF 221

## uracril

### high adhesion polyacrylic enamel - micaceous

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, pigmented with micaceous iron oxide, a special metal pigment of lamellar structure that leads to the formation of a "tortoise"-structured layer that gives the product a high resistance to photochemical and photocatalytic degradation. The product is used for painting metallic structures and it can also be used as one coat with direct adhesion on aluminium and galvanised sheet metal.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5839/0000 | dark grey   | 1,39            | lt 16         | 84         | -      |

catalysts: 9909/0699 - 20% weight

datasheet NF 372

## uracril

### high adhesion polyacrylic enamel - coarse-grained micaceous

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, pigmented with micaceous iron oxide, a special metal pigment of lamellar structure that leads to the formation of a "tortoise"-structured layer that gives the product a high resistance to photochemical and photocatalytic degradation. The product is used for painting metallic structures and it can also be used as one coat with direct adhesion on aluminium and galvanised sheet metal.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5849/0000 | dark grey   | 1,486           | lt 16         | 84         | -      |

catalysts: 9906/0699 - 10% weight  
9909/0699 - 20% weight

datasheet NF 376

## catalysts for polyurethanes and polyacrylics

| code             | trademark | description   | specific weight | unit quantity | pack. code | avail. |
|------------------|-----------|---|-----------------|---------------|------------|--------|
| T530/0699        | uretal    | polyurethane catalyst for outdoor<br>(fast-drying - mixed aromatic / aliphatic) | 0,945           | lt 0,5        | 06         | S      |
|                  |           |   |                 | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
|                  |           |   |                 | lt 20         | 87         | S      |
| datasheet NF 107 |           |   |                 |               |            |        |
| 5308/0699        | uretal    | polyurethane catalyst<br>(for additive 5380/ - for outdoor)                     | 1,130           | lt 5          | 51         | S      |
| 5370/0699        | uretal HS | high solid polyurethane catalyst  | 1,060           | lt 5          | 51         | S      |
| 5380/0699        | uretal    | polyurethane catalyst<br>(for additive 5380/ - for indoor)                      | 1,170           | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
| 5826/0699        | uretal    | polyurethane catalyst   | 1,006           | lt 5          | 51         | S      |
| 99HS/0699        | uretal 80 | high solid polyurethane catalyst  | 1,071           | lt 1          | 11         | S      |
| 9905/0699        | uretal    | polyurethane catalyst<br>(medium solid for base coat 5305/)                     | 0,991           | lt 10         | 61         | S      |
| 9906/0699        | uretal 50 | medium solid polyurethane catalyst (aliphatic)                                  | 1,061           | lt 0,5        | 06         | S      |
|                  |           |   |                 | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
| datasheet NF 203 |           |   |                 |               |            |        |
| 9907/0699        | uretal    | catalyst (mixed aromatic / aliphatic<br>yellowing - indoor / outdoor)           | 1,008           | lt 5          | 51         | S      |
| 9909/0699        | uretal    | polyurethane catalyst<br>(for outdoor - aliphatic - non-yellowing)              | 0,915           | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
|                  |           |   |                 | lt 20         | 87         | S      |
| datasheet NF 302 |           |   |                 |               |            |        |
| 9910/0699        | uretal    | polyurethane catalyst (for wood)  | 0,943           | lt 1          | 11         | S      |
|                  |           |   |                 | lt 2,5        | 25         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
| 9911/0699        | uretal    | polyurethane catalyst<br>(for wood - non-yellowing)                             | 1,029           | lt 5          | 51         | S      |
| 9912/0699        | uretal    | polyurethane catalyst<br>(indoor - aromatic - yellowing)                        | 0,992           | lt 0,5        | 06         | S      |
|                  |           |   |                 | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |
|                  |           |   |                 | lt 10         | 61         | S      |
| 9914/0699        | uretal    | polyurethane catalyst (for wood)  | 0,996           | lt 10         | 61         | S      |
| 9916/0699        | uretal    | polyurethane catalyst (for wood)  | 0,973           | lt 0,5        | 06         | S      |
|                  |           |   |                 | lt 1          | 11         | S      |
|                  |           |   |                 | lt 2,5        | 25         | S      |
| 9946/0699        | uretal    | polyurethane catalyst (for wood)  | 0,913           | lt 2,5        | 25         | S      |
| 9950/0699        | uretal    | aliphatic polyurethane catalyst<br>(for polyacrylics)                           | 1,006           | lt 0,5        | 06         | S      |
|                  |           |   |                 | lt 1          | 11         | S      |
|                  |           |   |                 | lt 5          | 51         | S      |

# oven-baked transparent varnishes

## **gloss oven-baked acrylic enamel (140°C / 160°C for brass objects and handles)**

Acrylic enamel oven-baked dried at 160°C, which can be used either transparent or pigmented. It has a good surface hardness, elasticity and brightness. Generally used as transparent finish to protect brass objects such as handles, funerary art objects, cups, trophies, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| T560/CONV | trasparent  | 1,026           | lt 20         | 87         | S      |

datasheet NF 218



## enamels oven-baked at 120°C

## sintal

**matt oven-baked enamel**

Enamel based on thermosetting resins. Field of use: metal furniture for offices, lighting equipment, safes, metal window and door frames, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 2100/0093 | black       | 1,14            | K 24          | 85         | -      |

datasheet NF 183

product not in stock, minimum quantity 450 kg.

## sintal

**semi-matt oven-baked synthetic enamel**

Alkyd/melamine enamel designed to meet the needs of economy, hardness and adhesion requested by the large consumers operating in the following fields: metal furniture for offices, lighting equipment, safes, metal window and door frames, shelving, etc. (handmade articles intended for indoor use).



| code | description    | specific weight | unit quantity | pack. code | avail. |
|------|----------------|-----------------|---------------|------------|--------|
| 2213 | normal colours | 1,181-1,381     | K 23          | 85         | -      |

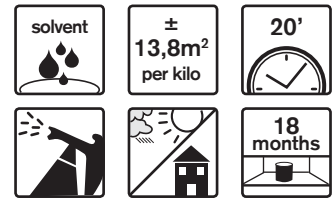
datasheet NF 149

# enamels oven-baked at 80°C

## sintal

### gloss fast-drying oven-baked medium solid enamel

Enamel made with alkyd resins combined with melamine resins used in the field of earth-moving machinery, agricultural machinery, industrial vehicles, small metal items, etc. Thanks to its fast-drying property, it allows speeding up the work, obtaining a good cross-linking even using shorter furnaces (with lower persistence than 3404/) or furnaces with sudden changes in temperature.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 3405 | normal colours            | 0,996-1,157     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NF305

## sintal

### semi-gloss synthetic enamel oven-baked at 80°C

Enamel made with alkyd resins combined with melamine resins, used for coating metal furniture, shelving, cylinders, electrical switchboards.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 3406 | normal colours            | 1,068-1,243     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NF 132

## high solid oven-baked enamels

## sintal HS

**gloss high solid oven-baked synthetic enamel**

Low temperature high solid oven-baked enamel made with special alkyd and melamine resins, with high reactivity, used for coating industrial vehicles, agricultural machinery, earth-moving machinery, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 3407 | normal colours            | 1,080-1,254     | K 21          | 85         | -      |
| "    | medium and strong colours | "               | K 21          | 85         | -      |
| "    | intense colours           | "               | K 21          | 85         | -      |

datasheet NF 232







## air one-pack anti-rust

overspraying

**fast-drying synthetic anti-rust**

Synthetic anti-rust based on modified alkyd resins and special extenders used as base coat for iron handmade articles in general. It can be overpainted with nitro enamels, synthetic fast-drying enamels, chlorinated rubber, vinyl and polyurethane enamels.



| code      | description  | specific weight | unit quantity | pack. code | avail. |
|-----------|--------------|-----------------|---------------|------------|--------|
| 6272/0017 | silver grey  | 1,305           | K 24          | 85         | S      |
| 6272/0062 | brick red    | 1,323           | K 24          | 85         | S      |
| 6272/0065 | oxide yellow | 1,303           | K 24          | 85         | S      |

datasheet NF 223

## ferrum

**universal synthetic anti-rust**

Anti-rust based on phenolic-modified alkyd resins, mainly used as "universal base coat" as it is overpaintable with a wide range of topcoat enamels as nitro enamels, synthetic air and oven 80°C, polyurethane, chlorinated rubber, even after 15 minutes from application. Fields of use: industrial bodywork, shelving, machine tools, agricultural and earth moving machinery, conditioning, electrical panels, etc.



| code      | description    | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------|-----------------|---------------|------------|--------|
| 6282/0000 | cream white    | 1,503           | K 24          | 85         | S      |
| 6282/0017 | silvere grey   | 1,483           | K 5           | 50         | S      |
| "         | "              | "               | K 25          | 80         | S      |
| 6282/0062 | brick red      | 1,436           | K 5           | 50         | S      |
| "         | "              | "               | K 24          | 85         | S      |
| 6282/0093 | black          | 1,274           | K 5           | 50         | S      |
| "         | "              | "               | K 24          | 80         | S      |
| 6282/0265 | green RAL 6011 | 1,5             | K 5           | 50         | S      |
| "         | "              | "               | K 24          | 85         | S      |

datasheet NF 139



### fast-drying synthetic anti-rust

Synthetic base coat based on modified alkyd resins and special extenders used as base coat for iron handmade articles in general. It can be overpainted with nitro enamels, synthetic fast-drying enamels, chlorinated rubber, vinyl enamels, etc.



| code      | description          | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------------|-----------------|---------------|------------|--------|
| 6273/0265 | green RAL 6011       | 1,361           | K 25          | 85         | S      |
| 6273/0017 | silver grey RAL 7001 | 1,374           | K 25          | 85         | S      |
| 6273/V017 | silver grey          | "               | lt 1          | 11         | S      |
| "         | "                    | "               | lt 4          | 41         | S      |
| 6273/2523 | oxide red            | 1,372           | lt 4          | 41         | S      |
| "         | "                    | "               | K 25          | 85         | S      |
| 6273/8778 | beige                | 1,376           | K 25          | 85         | *      |

datasheet NF 308

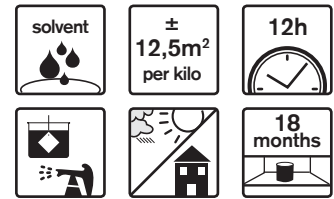
(\*) product not in stock, minimum quantity 1000 kg.



## air one-pack base coats and anti-rust

**mat air synthetic base coat**

Synthetic base coat based on modified alkyd resins used as base coat for iron handmade articles. It can be overpainted with nitro one-pack enamels, synthetic, chlorinated rubber, vinyl enamels, etc.

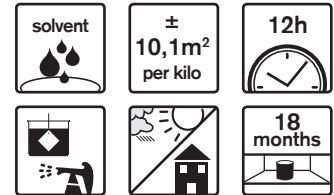


| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 6275/2522 | grey RAL 7001 | 1,424           | K 25          | 88         | S      |

datasheet NF 208

**fast-drying base coat with zinc phosphate**

Synthetic base coat with zinc phosphate based on modified alkyd resins and special extenders used as base coat for iron handmade articles in general. It can be overpainted with nitro enamels, synthetic fast-drying enamels, chlorinated rubber, vinyl enamels, etc.



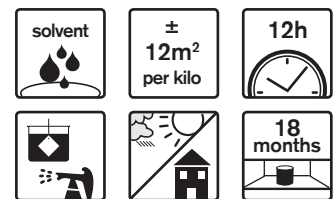
| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6274/5342 | grey        | 1,488           | K 25          | 85         | S      |

datasheet NF 334

## ferrum

**chrome-free anti-rust (one coat)**

Anti-rust based on special alkyd resins made to fulfil the dual function of base coat and finishing for iron handmade articles. particularly suitable for agricultural and earth-moving machinery (forks, platforms, steps, bands etc.). It can be overpainted with nitro enamels, synthetic enamels, chlorinated rubber and vinyl enamels, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6281/7897 | black       | 1,268           | K 25          | 80         | S      |

datasheet NF 198

# air one-pack base coats and anti-rust

with zinc phosphate

## fosferrum

### synthetic anti-rust with zinc phosphate (oil-resistant)

Anti-rust made with synthetic resins and anti-corrosive pigments. It is used as base coat with good anti-rust property to protect iron. It can be overpainted with nitro enamels, synthetic enamels, chlorinated rubber and vinyl enamels, etc. oil-resistant: its particular composition allows obtaining an excellent resistance to mineral oil and is, therefore, suitable for the protection of carters and other accessories intended to be immersed in mineral oil.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6286/0078 | beige       | 1,354           | K 25          | 80         | S      |

datasheet NF 104

## fosferrum

### synthetic anti-rust with zinc phosphate

Anti-rust made with modified alkyd resins and anti-corrosive pigments based on zinc phosphate and inhibitor salts. Field of use: as base coat with good anti-rust property for iron. It can be overpainted with nitro one-pack enamels, synthetic, chlorinated rubber, vinyl enamels, etc.



| code      | description    | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------|-----------------|---------------|------------|--------|
| 6286/0093 | black          | 1,339           | K 25          | 80         | S      |
| 6286/V265 | green RAL 6011 | 1,353           | lt 4          | 41         | S      |
| 6286/0265 | green RAL 6011 | "               | K 25          | 80         | S      |

datasheet NF 111

### anti-rust with fast-drying zinc phosphate

Synthetic anti-rust based on modified alkyd resins, corrosion inhibitor pigments and special extenders, used as base coat for iron handmade articles in general. It can be overpainted with nitro enamels, synthetic fast-drying enamels, chlorinated rubber, vinyl and polyurethane enamels.



| code      | description  | specific weight | unit quantity | pack. code | avail. |
|-----------|--------------|-----------------|---------------|------------|--------|
| 6276/0065 | oxide yellow | 1,284           | K 25          | 85         | S      |

datasheet NF 276

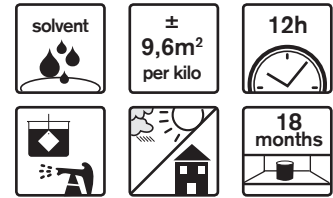
## air one-pack base coats and anti-rust

high solid - ready for use

## ferrum HS

**overspraying high solid synthetic base coat**

Synthetic fast-drying base coat with good "wettability"; keeps a long-term adhesion and elasticity. With excellent weather and overpainting resistance; allows obtaining very bright finishing and dried high thickness. Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general, etc.



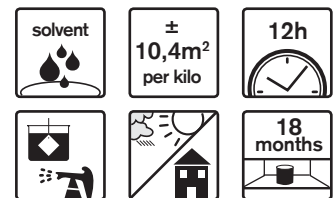
| code      | description  | specific weight | unit quantity | pack. code | avail. |
|-----------|--------------|-----------------|---------------|------------|--------|
| 6277/3381 | oxide yellow | 1,463           | K 30          | 85         | S      |
| 6277/0017 | silver grey  | 1,48            | K 25          | 80         | S      |
| 6277/3620 | beaver       | 1,512           | K 28          | 85         | -      |

datasheet NF 243

## ferrum HS

**one coat with ready for use high solid zinc phosphate**

Fast-drying synthetic one coat made with corrosion inhibitor pigment (zinc phosphate) and special resins that allow obtaining a solid content exceeding 60% of weight during application. Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6277/2970 | black       | 1,375           | K 25          | 80         | S      |

datasheet NF 313

## ferrum HS

**extra high solid synthetic base coat with zinc phosphate**

Fast-drying synthetic base coat similar to base coat 6277/ but with better properties. Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6279/0017 | silver grey | 1,422           | K 25          | 85         | S      |

datasheet NF 279



#### epoxy outdoor high solid base coat with zinc phosphate

Air-oven base coat with quality resins, excellent adhesion on sheet metals, light alloys and castings in general. The presence of anti-corrosive pigments and the strong wettability (penetration) of the product makes it suitable, above all, for coating boxed parts and undercuts, as well as porous castings. Field of use: agricultural machinery, earth-moving machinery, machine tools.



| code      | description    | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------|-----------------|---------------|------------|--------|
| 5207/0017 | silver grey    | 1,414           | K 25          | 85         | S      |
| 5207/0265 | green RAL 6011 | 1,338           | K 25          | 85         | -      |

datasheet NF 230

#### epoxy outdoor high solid base coat with zinc phosphate

Air-oven base coat with quality resins, excellent adhesion on sheet metals, light alloys and castings in general. The presence of anti-corrosive pigments and the strong wettability (penetration) of the product makes it suitable, above all, for coating box parts and undercuts, as well as porous castings. fields of use: agricultural machinery, earth-moving machinery, machine tools.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5207/4173 | light green | 1,402           | K 25          | 85         | S      |

datasheet NF 315

#### epoxy outdoor high solid HS plus base coat with zinc phosphate

Air-oven base coat with quality resins, excellent adhesion on sheet metals, light alloys and castings in general. The presence of anti-corrosive pigments and the strong wettability (penetration) of the product makes it suitable, above all, for coating box parts and undercuts, as well as porous castings. field of use: agricultural machinery, earth-moving machinery, machine tools.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5209/0017 | silver grey | 1,462           | K 26          | 85         | S      |

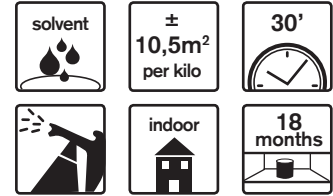
datasheet NF 280

## finishing base coats - wash primer

## special base coats and paints

**soft high adhesion base coat/finishing**

One coat enamel to be used as "base coat/finishing", made with special resins, characterised by high adhesion on aluminium surfaces, galvanised sheet metals, and light alloys. Allows obtaining finishing with hardness similar to those of an oven-dried enamel. Not recommended for applications intended for outdoor use.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6291/0093 | black       | 0,925           | K 4           | 41         | S      |
| "         | "           | "               | K 20          | 85         | S      |

datasheet NF 189

**two-pack high adhesion wash primer**

Covering wash primer made with phenolic resin, polyvinyl butyric and special resins of acid hardener type. Guarantees good anti-corrosive protection with layer thickness of at least 25-30 microns dried. Fields of use: as anti-rust or as adhesion one coat for subsequent applications of other paints on metal surfaces, light alloys, articles in printed sheet metal and bodywork to treat the remaining discovered parts after sanding.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6291/0059 | beige       | 0,959           | lt 4          | 41         | S      |
| "         | "           | "               | K 20          | 85         | S      |
| 6291/0062 | brick red   | 0,972           | K 20          | 85         | S      |

catalysts: 9080/0000 - 100% weight

datasheet NF 148

**one-pack wash primer with phosphates**

Adhesion primer made with special resins and anti-corrosive pigments (zinc phosphate and inhibitor salts) able to ensure a good anti-rust protection with dry layer thickness of at least 25-30 microns. Field of use: on metal surfaces (light alloys and objects in sheet metal) in cycles where subsequent painting is provided; in industrial bodywork to treat the remaining discovered parts after sanding.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6293/0059 | beige       | 1,078           | K 5           | 50         | S      |
| "         | "           | "               | K 20          | 85         | S      |

datasheet NF 140





### one-pack base coat (for polystyrene)

Insulating base coat based on modified acrylic resins. Field of use: as base coat for polystyrene and abs supports, for painting window furniture, lighting equipment, electronic accessories, furnishings, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5605/0000 | white       | 1,366           | K 20          | 85         | S      |

datasheet NF 155

### alcohol anti-rust (protection for flanges)

Product based on fast-drying special synthetic resins. Field of use: used as temporary protective coat of pulleys, forks, ploughshares, shovels, flanges, threads and turned materials in general.



| code      | description     | specific weight | unit quantity | pack. code | avail. |
|-----------|-----------------|-----------------|---------------|------------|--------|
| 4101/0000 | transparent red | 0,954           | K 5           | 50         | S      |

datasheet NF 211



## heat-resistant aluminium

## sintal 13

## aluminium paint

Aluminium paint made with special resins and metal pigment, suitable for outdoor applications with maintenance difficulties. In these cases, it is recommended to apply an anti-rust 6586/. Can be applied on steel supports for resistance to heat up to 150-250°C. Other use is the painting of roofs and terraces; in addition, the aluminium strips contained in the paint allow the reflection of sun rays and limit the overheating of the materials under.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5013/V000 | aluminium   | 1,034           | lt 1          | 11         | S      |
| "         | "           | "               | lt 5          | 51         | S      |
| 5013/0000 | "           | "               | K 20          | 85         | S      |

datasheet NF 201

## aluminium paint for high temperatures up to 600°C

Aluminium paint made with special silicone resins and metal pigment, particularly suitable for outdoor applications of handmade articles subjected to high operating temperatures (up to 600°C) such as: industrial equipment, exhaust pipes, chimneys, stoves, furnaces, etc. Paint 5620/0000 can be applied directly on sandblasted steel supports or after the base coat.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5620/0000 | aluminium   | 0,996           | K 20          | 85         | S      |

datasheet NF 301

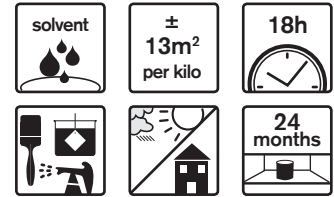


## fast-drying synthetic enamels

## sintal

## semi-gloss fast-drying enamel

Enamel made with alkyd resins indicated for coating agricultural machines, frames, bridge cranes, shelving, small metal items, accessories of agricultural and earth moving machinery, etc.



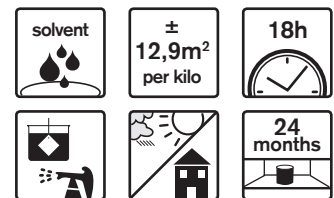
| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2702 | normal colours            | 1,213-1,368     | K 26          | 85         | -      |
| "    | medium and strong colours | "               | K 26          | 85         | -      |
| "    | intense colours           | "               | K 26          | 85         | -      |

datasheet NF 209

## sintal

## fast-drying gloss synthetic enamel (for cylinders and drums)

Fast-drying enamel made with modified alkyd resins, mainly used for coating and recoating of gas cylinders and metal drums, as well as containers in general.



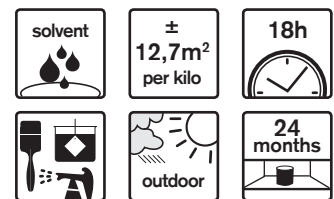
| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2703 | normal colours            | 1,052-1,282     | K 23          | 85         | -      |
| "    | medium and strong colours | "               | K 23          | 85         | -      |
| "    | intense colours           | "               | K 23          | 85         | -      |

datasheet NF 194

## sintal

## fast-drying gloss synthetic enamel

Fast-drying synthetic enamel made with modified alkyd resins. Field of use: agricultural machinery, earth-moving machinery, construction machinery, trailers, industrial vehicles, machine tools, scaffolding, cranes, barrel spreaders, etc.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 2706/0000 | white                     | 1,182           | K 23          | 85         | S      |
| 2706/0093 | black                     | 1,054           | K 23          | 85         | S      |
| 2706/0265 | green RAL 6011            | 1,118           | K 23          | 85         | S      |
| 2706/9608 | red IC 105                | 1,112           | K 25          | 85         | S      |
| 2706      | normal colours            | 1,052-1,236     | K 23          | 85         | -      |
| "         | medium and strong colours | "               | K 23          | 85         | -      |
| "         | intense colours           | "               | K 23          | 85         | -      |

datasheet NF 235



# sintal

## bright one coat high solid synthetic enamel

Fast-drying synthetic enamel based on special resins, characterised by high brightness, high dry residue, both in weight and volume, also suitable for 'one coat' applications (directly on iron), with high resistance to the exterior. Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general, earth-moving machinery. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2888 | normal colours            | 1,142-1,340     | lt 16         | 84         | -      |
| "    | medium and strong colours | "               | lt 16         | 84         | -      |
| "    | intense colours           | "               | lt 16         | 84         | -      |

datasheet NF 306



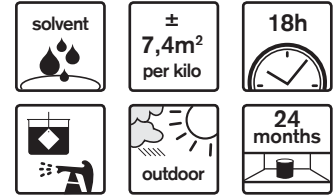
## fast-drying synthetic enamels

one coat

## sintal

## gloss one coat

Fast-drying synthetic enamel based on special alkyd resins that, in addition to a high brightness, allow obtaining high coverage and fullness that makes it suitable for 'one coat' applications (directly on iron). Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general.



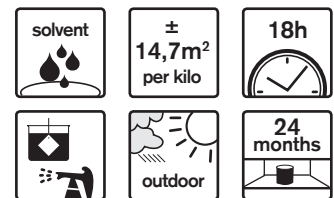
| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2808 | normal colours            | 1,043-1,270     | K 24          | 85         | -      |
| "    | medium and strong colours | "               | K 24          | 85         | -      |
| "    | intense colours           | "               | K 24          | 85         | -      |

datasheet NF 145

## sintal

## semi-gloss one coat

Fast-drying synthetic one coat enamel based on special alkyd resins, made so as to obtain high coverage and fullness that makes it suitable for 'one coat' applications (directly on iron). Agriculture: small tractors, farm wagons, fork-lift trucks, seeders, threshers, external spreader barrels, agricultural machinery in general. Other industries: forklift trucks, cranes, scaffolding, earth-moving machines, conveyors, carpentry in general.

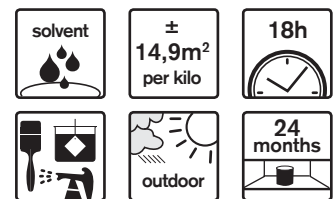


| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 2808/7897 | black       | 1,171           | K 22          | 85         | S      |

datasheet NF 309

## bright aliphatic one-pack polyurethane enamel

One-pack aliphatic polyurethane alkyd enamel made for repainting of commercial vehicles. Its properties are obtaining a bright finishing, resistant to outdoor exposure. fields of use: farm wagons, trucks, seeders, threshers, agricultural machinery in general, fork-lift trucks, cranes, scaffolding, earth-moving machinery, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2809 | normal colours            | 0,945-1,123     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NF 312

# fast-drying synthetic enamels

high solid

## sintal HS

**semi-gloss ready to use high solid synthetic enamel**

Fast-drying synthetic enamel made with special resins that allow obtaining over 60% of solid content during application. Fields of use: coating of mufflers, small metal items, lift doors, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 2507 | normal colours            | 1,180-1,370     | K 23          | 85         | -      |
| "    | medium and strong colours | "               | K 23          | 85         | -      |
| "    | intense colours           | "               | K 23          | 85         | -      |

datasheet NF 231



## special finishing enamels

micaceous and metallic

## scudoferrum

## metallic synthetic paint

Anti-rust paint based on modified alkyd resins and a special lamellar metal pigment that forms a so-called 'tortoise' structure in the layer. This gives the product a very high resistance to photochemical and photocatalytic degradation. The aspect of the layer applied is silvery and rather rough. Use this product for all applications where a wrought iron type of finishing is needed and as base coat and finishing for the protection of metallic structures.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6539/V000 | iron grey   | 1,454           | lt 2,5        | 25         | S      |
| 6539/0000 | "           | "               | K 25          | 80         | S      |
| 6539/V401 | silver      | 1,487           | lt 2,5        | 25         | S      |
| 6539/0401 | "           | "               | K 25          | 80         | S      |

datasheet NE 046

## scudoferrum

## fine-grained metallic synthetic paint (for light alloys)

Synthetic paint with micaceous finishing based on modified special alkyd resins and a special lamellar metal pigment that forms a 'tortoise' layer that gives the product high resistance to photochemical and photocatalytic degradation, normally responsible for the disintegration of the layer subjected to ultraviolet rays and bad weather conditions. Field of use: protection of steel structures and surfaces in galvanised sheet metal, such as: bridges, gates, railings, gratings, lampposts, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6546/0000 | iron grey   | 1,437           | lt 2,5        | 25         | S      |

datasheet NE 073

## scudoferrum

## coarse-grained metallic synthetic paint (for galvanised sheet metal)

Synthetic paint with micaceous finishing based on modified special alkyd resins and a special lamellar metal pigment that forms a 'tortoise' layer that gives the product high resistance to photochemical and photocatalytic degradation, normally responsible for the disintegration of the layer subjected to ultraviolet rays and bad weather conditions. Field of use: protection of steel structures and also surfaces in galvanised sheet metal, such as: bridges, gates, railings, gratings, lampposts, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 6549/0000 | iron grey   | 1,425           | lt 2,5        | 25         | S      |
| "         | "           | "               | K 25          | 88         | S      |
| 6549/0401 | silver      | 1,395           | lt 2,5        | 25         | S      |
| "         | "           | "               | K 25          | 80         | S      |

datasheet NE 067





## scudoferrum

### semi-gloss micaceous polyurethane enamel with paintbrush (for outdoor)

One-pack aliphatic polyurethane alkyd enamel based on micaceous iron oxide, which confers coated handmade articles a final 'silky' effect. The layer is characterised by a limited crumbling and is less lineable than the traditional micaceous paints; it also has excellent outdoor resistance maintaining its aspect with time. Fields of use: finishing coat for the protection of metallic structures such as: bridges, gates, railings, gratings, lampposts, etc.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 2939/0000 | iron grey   | 1,325           | lt 2,5        | 25         | S      |

datasheet NE 074

## sintal

### gloss fast-drying metallic synthetic enamel

Fast-drying enamel based on modified alkyd resins, used for coating agricultural and earth-moving machinery, construction machinery, trailers, industrial vehicles, machine tools, scaffolding, cranes, etc.



| code      | description        | specific weight | unit quantity | pack. code | avail. |
|-----------|--------------------|-----------------|---------------|------------|--------|
| 2786/0564 | aluminium RAL 9006 | 0,989           | K 20          | 85         | S      |

datasheet NF 226

## chlorinated rubber enamels and base coats

## alceite

**gloss chlorinated rubber enamel**

Chlorinated rubber enamel with a very low content of carbon tetrachloride and with unsaponifiable plasticizers. It is suitable for supports exposed to high humidity and to wet structures or immersed in water (both soft and salted), therefore, particularly used for those exposed to the action of sea water. Industry: weaving machines, paper machines, tannery, coking plant, and chemical industry machines. Agriculture: silos for forages, barrel spreaders, sprayers for fungicides, prefabricated sheds.



| code      | description               | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------------------|-----------------|---------------|------------|--------|
| 5100/V858 | blue sky                  | 1,264           | lt 4          | 41         | S      |
| 5100/6858 | "                         | "               | K 23          | 85         | S      |
| 5100      | normal colours            | 1,044-1,256     | K 23          | 85         | -      |
| "         | medium and strong colours | "               | K 23          | 85         | -      |
| "         | intense colours           | "               | K 23          | 85         | -      |

datasheet NF 171

## alceite

**chlorinated rubber undercoat**

Intermediate coat made with chlorinated rubber and unsaponifiable plasticizers. Used for the protection of supports exposed to high humidity and to wet structures or immersed in water, both soft and salted. Construction: cement handmade products, cement plants, minerals transport, cranes, containers, bridges, iron warehouses. Industry: weaving machines, paper machines, tannery, coking plant, and chemical industry machines. agriculture: silos for forages, barrel spreaders, sprayers for fungicides, prefabricated sheds.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 5102 | normal colours            | 1,17-1,310      | K 25          | 85         | -      |
| "    | medium and strong colours | "               | K 25          | 85         | -      |
| "    | intense colours           | "               | K 25          | 85         | -      |

datasheet NF 238

## alceite

**additive**

Additive made with special resins that confer high flexibility and allow obtaining high thickness. It has good acoustic-absorbing properties. Field of use: machine tools, wood processing machines, castings in general, as it eliminates the heavy grouting operations and preparation of rough surfaces.



| code      | description    | specific weight | unit quantity | pack. code | avail. |
|-----------|----------------|-----------------|---------------|------------|--------|
| 5180/0000 | white          | 1,405           | K 25          | 80         | S      |
| 5180      | normal colours | -               | K 25          | 80         | *      |

datasheet NF 102

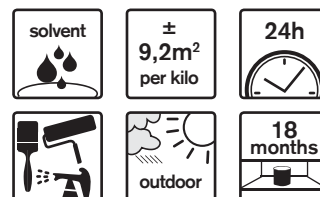
(\*) product not in stock, minimum quantity 1000 kg.

# chlorovinyl enamels and base coats

## tugoprene

### chlorovinyl anti-corrosive enamel

Special coating based on modified chlorovinyl resins, with excellent adhesion on iron and ferrous steel, good anti-corrosive properties and resistant to bad weather conditions. It can be easily applied in thick layer. Mainly used as anti-corrosion protection for electrical transformers, metallic structures and handmade articles exposed to bad weather conditions in aggressive atmosphere for sulphur dioxide (e.g. silos, containers, bridge cranes, underbody of bogies, etc.).



| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 0125/7L31 | grey RAL 7031 | 1,023           | KG 22         | 80         | S      |

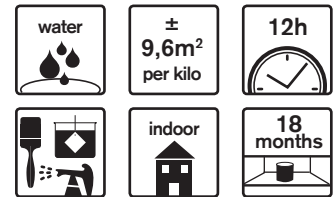
datasheet NF 250



# one-pack air water-based base coats

## sanded fast-drying water base coat (for wood)

Water-based base coat based on fine dispersions of modified acrylic resins. Suitable for wood manufactured items for indoor use, interior furnishing and accessories industry, especially antique furniture, turned items, chairs, frames, medium density, etc. For indoor applications; also suitable for pvc, abs, polystyrene and polystyrene foam.



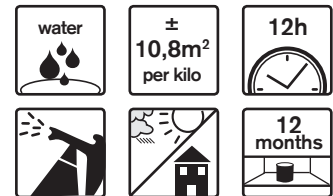
| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4781/2555 | white       | 1,329           | K 25          | 85         | S      |

datasheet NF 216

## geoduplo

### fast-drying semi-gloss water one coat

Water-based one coat enamel based on modified water-soluble alkyd resins with low concentration of cosolvents, containing anti-corrosive pigments. used as one coat base coat and finish for iron manufactured items. Field of use: agricultural machinery, earth-moving machinery, small metal items, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4782 | normal colours            | 1,199 – 1,322   | K 23          | 85         | -      |
| "    | medium and strong colours | "               | K 23          | 85         | -      |
| "    | intense colours           | "               | K 23          | 85         | -      |

datasheet NF 227

product not in stock, minimum quantity 500 kg.

## geoexter

### water epoxy outdoor primer

Air-oven base coat made with quality resins, characterised by excellent adhesion to metal surfaces such as steel and iron castings. The presence of anti-corrosive pigments and strong wettability make the product suitable for coating of undercuts, joint sheets, and very porous castings. Field of use: agricultural machinery, earth-moving machinery, machine tools.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4207/0017 | silver grey | 1,208           | K 24          | 85         | S      |

datasheet NF 328

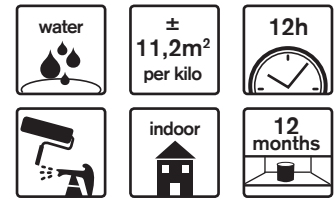


# one-pack air water-based enamels

## geonitral

### gloss water-based enamel (for indoor)

Enamel based on fine dispersions of modified acrylic resins, used as top coat for iron manufactured items. Suitable for coating of cement and concrete, for indoor applications such as: wainscots, flooring for box dust effect, lockers and deposits, where there is not great demand for wear resistance. Due to its fast-drying properties and its surface hardness, it is widely used for replacement of nitrocellulose products.



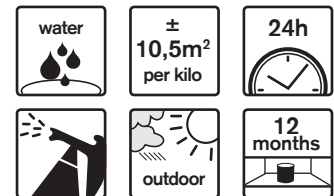
| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4700 | normal colours            | 1,053 – 1,223   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NG 610

## geosintal

### fast-drying gloss water-based enamel (for outdoor)

Fast-drying water-based enamel based on water-dilutable modified alkyd resins, which can replace the traditional fast-drying solvent-based enamels. Used as top coat for iron manufactured items such as agricultural machinery, earth moving machinery, construction machinery, trailers, industrial trucks, machine tools, scaffoldings, cranes, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4705 | normal colours            | 1,060-1,200     | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NG 613

## geosintal

### bright one-pack polyurethane enamel

Fast-drying water-based enamel based on polyurethane alkyd resins, which can replace the traditional fast-drying solvent-based enamels. Used as top coat for iron manufactured items such as agricultural machinery, earth moving machinery, construction machinery, trailers, industrial trucks, machine tools, scaffoldings, cranes, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4709 | normal colours            | 1,060-1,200     | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

datasheet NG 335



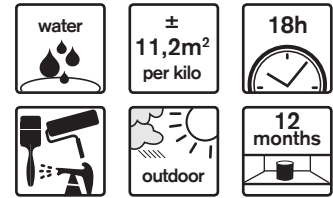
# one-pack water-based base coats and enamels

for metal and wood

## geostil

**semi-gloss water-based one coat enamel (for galvanised sheet metals, PVC, iron)**

Anchored paint based on modified acrylic resins containing a high percentage of anti-corrosive pigments, with excellent application characteristics: high yield, good fast-drying, good corrosion protection, water-proof and resistance to bad weather conditions. It has the function of an adhesive primer and of finishing enamel, and is recommended for the protection of galvanised sheet metals, light alloys, aluminium, pvc, iron (gutters, downpipes, roofs, gates and frames in galvanised sheet metal or light alloys).



| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 4675/0284 | grey RAL 7035 | 1,221           | K 20          | 85         | -      |

datasheet NF 300

product not in stock, minimum quantity 600 kg.

## geofond

**thixotropic acrylic water-based base coat (for frames)**

Water-based base coat with fine dispersions of modified acrylic resins, easy to apply, long-resistant to outdoor exposure, particularly covering and flexible, able to fill the pores of wood.

Field of use: wood handmade articles for outdoor such as chalets, match boarding, window and door frames, doors, fences, attics. Can be used instead of our products 6201/ and 6208/ durofix, as 1st base coat, with paintbrush and roller, for indoor mural walls, wood furnishings and mdf, for radiators, etc.



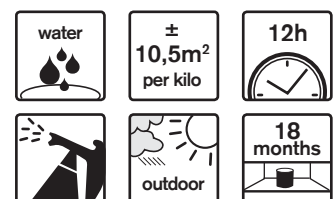
| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4670/0000 | white       | 1,294           | K 20          | 85         | S      |

datasheet NG 615

## geowood

**semi-matt thixotropic acrylic water-based enamel (for frames)**

Water-based thixotropic finish enamel based on acrylic resins, designed to protect outdoor wooden items such as: chalets, match boarding, window and door frames, doors, fences and attics. Widely used for coating window and door frames. Being water-based, it can easily replace applications made with solvent thixotropic and urethane products, without causing auto-combustion inside the paint booth.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4661/0000 | white       | 1,26            | lt 16         | 84         | S      |

datasheet NL 605

gloss 60°: 10





## geowood

### semi-gloss thixotropic acrylic water-based enamel (for frames)

Water-based thixotropic finish enamel based on acrylic resins, designed to protect outdoor wooden items such as: chalets, match boarding, window and door frames, doors, fences, and attics. Widely used for coating window and door frames. Being water-based, it can easily replace applications made with thixotropic products and solvent urethane products, without causing fire in the paint booth.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4662/0000 | white       | 1,262           | lt 16         | 84         | S      |

datasheet NL 601

gloss 60°: 15 - 25

## geowood

### semi-gloss thixotropic acrylic water-based enamel (for frames)

Water-based thixotropic finish enamel based on acrylic resins, designed to protect outdoor wooden items, used for chalets, match boarding, window and door frames, doors, fences, and attics. Widely used for coating wooden and pvc doors and windows. It is used to easily replace applications made with thixotropic and solvent urethane products, because it does not create fires and spontaneous combustion during painting, due to electrostatic phenomena.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4663/0000 | white       | 1,246           | lt 16         | 84         | S      |

datasheet NL 603

gloss 60°: 40



## oven-baked water-based enamels

sintal H<sub>2</sub>O**mat water-based enamel oven-baked at 110°C**

Oven-baked enamel based on special thermosetting acrylic resins in aqueous dispersion, used as one coat (base coat/finishing) for articles intended for outdoor use, galvanised and aluminium sheet metals such as doors, garbage bins, machine tools, metal furnishings, radiators for heating systems, metal shelving, lamps. Iron articles intended for outdoor use must be adequately prepared with a water-based or solvent-based primer.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4345 | normal colours            | 1,115 – 1,286   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NG 621

sintal H<sub>2</sub>O**bright water-based enamel oven-baked at 110°C**

Oven-baked enamel based on special thermosetting acrylic resins in aqueous dispersion, used as one coat (base coat/finishing) for articles intended for outdoor use, galvanised and aluminium sheet metals such as doors, garbage bins, machine tools, metal furnishings, radiators for heating systems, metal shelving, lamps. Iron articles intended for outdoor use must be adequately prepared with a water-based or solvent-based primer.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4347 | normal colours            | 1,048 – 1,217   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

datasheet NG 622

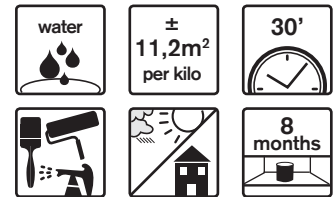


## catalysed epoxy water-based base coats and enamels

## geopox

## epoxy water-based base coat

Base coat with epoxy resins emulsified in water, used for coating metallic surfaces made of steel, such as: machine tools, small metal items, heavy carpentry, earth-moving machines, etc.



| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 4203/3425 | grey RAL 7000 | 1,558           | K 21          | 85         | S      |

catalysts: 4299/0000 - 20% weight

datasheet NF 249

## geopox plus

## epoxy water-based base coat with phosphate

Base coat with epoxy resins emulsified in water for coating machine tools, small metal items, heavy carpentry, earth-moving machines, etc. The product has excellent adhesion on iron, aluminium, gel-coat (after sandblasting). Good adhesion also on galvanised sheet metal and light alloys adequately pre-treated (better with catalyst 4299/9000).



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4204/4600 | yellow      | 1,532           | K 25          | 88         | S      |
| 4204/0017 | silver grey | "               | K 25          | 88         | S      |

catalysts: 4299/7779 - 50% weight  
4299/9000 - 50% weight

datasheet NF 314 - NF 325

## geopox

## gloss epoxy water-based enamel

Bright enamel based on epoxy resins emulsified in water.  
Fields of use: industry for painting machine tools, metallic furnishings.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4200 | normal colours            | 1,040 – 1,032   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 4299/5000 - 100% weight

datasheet NG 618



## geoepox

### **gloss epoxy textured water-based enamel**

Thickening additive coating based on epoxy resins emulsified in water. Field of use: for painting machine tools, metal furnishings, etc. Building sector: for painting concrete floors, wainscots, walls, sports facilities.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4285 | normal colours            | 1,341 – 1,505   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 4299/0000 - 75% weight

datasheet NG 620

## epox H<sub>2</sub>O

### **semi-gloss epoxy textured water-based enamel**

Textured enamel made of epoxy resins emulsified in water. Suitable as finish coat for machine tools, metal furnishings, etc.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4281 | normal colours            | 1,290 – 1,510   | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

catalysts: 4299/7779 - 70% weight

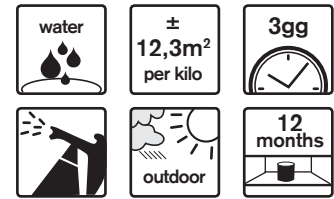
datasheet NG 370

## catalysed water-based polyurethane and polyacrylic enamels

## geouretal

## semi-gloss polyurethane enamel

Two-pack aliphatic water-based polyurethane enamel suitable as finishing in the industrial sector and bodywork industry. Fields of use: coating of machine tools, electrical equipment, furnishing, various equipment, agricultural machinery, earth moving machinery, rear load body of trucks, waste collection lorries (livecars), metal containers, and auto-mounted cranes.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4352 | normal colours            | 1,089 – 1,314   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 4350/0699 - 20% weight

datasheet NG 624

## geoacryl

## matt polyacrylic enamel

Two-pack aliphatic water-based polyurethane enamel suitable as finishing in the industrial sector and bodywork industry. Fields of use: coating of machine tools, electrical equipment, furnishing, various equipment, agricultural machinery, earth moving machinery, rear load body of trucks, waste collection lorries (livecars), metal containers, and auto-mounted cranes.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4354 | normal colours            | 1,089 – 1,314   | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

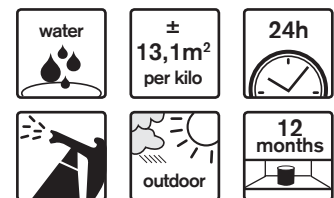
catalysts: 4350/0699 - 15% weight  
4355/0699 - 15% weight

datasheet NG 374

## geoacryl 2k extra

## bright polyacrylic water-based enamel (for outdoor)

Two-pack aliphatic water-based polyacrylic enamel suitable as finishing in the industrial sector and bodywork industry. Field of use: machine tools, agricultural machinery, earth-moving machinery, trucks, cranes and vehicles in general. the product is particularly suitable for coating large areas. Supports: base coats and epoxy primers, our type 4203/, 4204/, 5203/ or 5227/



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4355 | normal colours            | 1,067 – 1,262   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 4350/0699 - 25% weight

datasheet NG 634



## geoacryl

### semi-gloss polyurethane enamel

Cross-linked polyacrylic enamel with aliphatic polyisocyanates, used as semi-gloss finishing in the industrial sector. Used as one coat, it provides an excellent finish with direct adhesion on aluminium, sandblasted steel and galvanised sheet metals.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4356 | normal colours            | 1,089 – 1,314   | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

catalysts: 4350/0699 - 20% weight

datasheet NG 375

## geoacryl

### bright polyacrylic enamel for outdoor

Two-pack aliphatic water-based polyacrylic enamel suitable as finishing in the industrial sector and bodywork industry. Field of use: machine tools, agricultural machinery, earth-moving machinery, trucks, cranes and vehicles in general.

Supports: base coats and epoxy primers, our type 4204/, 5203/ or 5204/



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4358 | normal colours            | 1,045-1,240     | K 20          | 80         | -      |
| "    | medium and strong colours | "               | K 20          | 80         | -      |
| "    | intense colours           | "               | K 20          | 80         | -      |

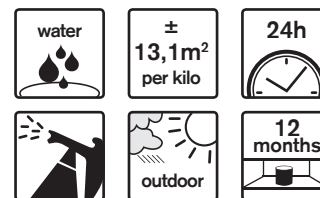
catalysts: 4358/0699 - 20% weight

datasheet NG 373

## geoacryl 2k

### bright polyacrylic water-based enamel (for outdoor)

Two-pack aliphatic water-based polyacrylic enamel suitable as finish coat in the industrial sector. Field of use: machine tools, agricultural machinery, earth-moving machinery, trucks, cranes and vehicles in general.



| code | description               | specific weight | unit quantity | pack. code | avail. |
|------|---------------------------|-----------------|---------------|------------|--------|
| 4360 | normal colours            | 1,067 – 1,262   | K 20          | 85         | -      |
| "    | medium and strong colours | "               | K 20          | 85         | -      |
| "    | intense colours           | "               | K 20          | 85         | -      |

catalysts: 4350/0699 - 25% weight

datasheet NG 635

## geoacryl

### 2k acrylic primer

Base coat with acrylic resins emulsified in water for coating machine tools, small metal items, heavy carpentry, earth-moving machines, etc. The product has excellent adhesion on iron and gel-coat (after sandblasting). Good adhesion also on galvanised sheet metal and aluminium adequately pre-treated.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 4327/5939 | grey        | 1,370           | K 20          | 80         | -      |

catalysts: 4358/0699 - 20% weight

datasheet NF 362.1





## for water-based epoxies

| code      | trademark | description                                  | specific weight | unit quantity | pack. code | avail. |
|-----------|-----------|--|-----------------|---------------|------------|--------|
| 4299/7779 | geopox    | fast-drying water-based catalyst for epoxies | 1,055           | lt 4          | 41         | S      |
| 4299/0000 | geopox    | water-based catalyst for epoxies             | 1,108           | lt 4<br>lt 17 | 41<br>81   | S<br>S |
| 4299/5000 | geopox    | water-based catalyst for epoxies             | 1,074           | lt 17         | 81         | S      |
| 4299/9000 | geopox    | water-based catalyst for epoxies             | 1,065           | lt 4          | 41         | S      |

## for water-based polyurethanes

| code      | trademark | description                                   | specific weight | unit quantity | pack. code | avail. |
|-----------|-----------|---|-----------------|---------------|------------|--------|
| 4350/0699 | uretal    | water-based catalyst for polyurethane enamels | 1,115           | lt 1<br>lt 5  | 11<br>51   | S<br>S |
| 4355/0699 | uretal    | water-based catalyst for polyurethane enamels | 1,109           | lt 5          | 51         | S      |
| 4358/0699 | uretal    | water-based catalyst for polyurethane enamels | 1,068           | lt 5          | 51         | S      |



## base coat

**metallised**

Metallised base coat with high metallic effect, based on thermal cross-linked polyester resins. To be used in b/b cycle with acrylic transparent coat 5640/0000. Mainly used for coating aluminium alloy wheels or other types of manufactured goods where a quality and aesthetic finishing is required.



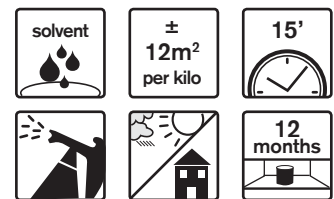
| code      | description   | specific weight | unit quantity | pack. code | avail. |
|-----------|---------------|-----------------|---------------|------------|--------|
| 2285/4765 | chrome effect | 0,943           | K 1           | 10         | S      |
| "         | "             | "               | K 4           | 40         | S      |
| "         | "             | "               | K 15          | 80         | S      |

datasheet NR 705

## uretal

**gloss polyacrylic**

Two-pack acrylic transparent topcoat for use in combination with polyurethane hardener with characteristics of excellent brilliance, good surface hardness and good resistance to atmospheric agents. It can be used as finishing in b/b cycles with metallic base series 2285/, for painting various handmade articles where a quality aesthetic finishing is required.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/2444 | trasparent  | 1,003           | lt 5          | 51         | S      |

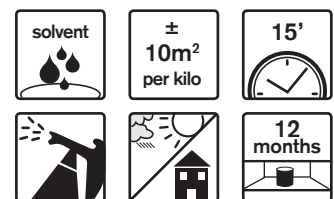
catalysts: 9906/0699 - 35% weight

datasheet NR 739

## uretal

**double effect gloss polyacrylic**

Transparent coat based on hydroxylate acrylic resins for use in combination with isocyanate/aliphatic hardeners with characteristics of excellent brilliance, good surface hardness and good resistance to outdoors. It can be used as finishing in b/b cycles with pastel base coats series 2285/, for painting various handmade articles where a quality aesthetic finishing is required, having a metallic multicolour effect.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 9900/5294 | trasparent  | 1,01            | lt 4          | 41         | S      |

catalysts: 9909/0699 - 50% weight

datasheet NR 733



# uracril

## for bright aluminium

Two-pack acrylic intermediate coat to be used in combination with polyurethane hardener, with excellent brilliance and spreading properties. Used as intermediate coat in cycles with metallic base coats with chrome effect (series 2285/) and with 2K acrylic transparent coat.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5820/2929 | black       | 0,985           | K 4           | 40         | S      |

catalysts: 9906/0699 - 25% weight  
9909/0699 - 50% weight

datasheet NR 740

# epox

## coarse-grained metallic epoxy enamel

Metallic varnish based on epoxy resins used for industrial washing machines, machine tools, small metal items, wainscots and equipment in general.



| code      | description | specific weight | unit quantity | pack. code | avail. |
|-----------|-------------|-----------------|---------------|------------|--------|
| 5298/0000 | silver      | 1,034           | lt 4          | 41         | -      |

catalysts: 9926/7779 - 30% weight

datasheet NF 128

## additives and special products

| code             | description  | specific weight | unit quantity | pack. code | avail. |
|------------------|--|-----------------|---------------|------------|--------|
| 2800/0699        | accelerator for synthetics                                   | 1,060           | lt 1          | 11         | S      |
| datasheet NF 256 |  |                 |               |            |        |
| 9088/0000        | corrective anti-fog  | 0,906           | lt 5          | 51         | S      |
| 9500/2693        | primer for glass and sandstone                               | 0,843           | lt 1          | 11         | S      |
| datasheet NF 212 |  |                 |               |            |        |
| 9500/9851        | additive antisilicone  | 0,967           | lt 1          | 11         | S      |
| datasheet NF 106 |  |                 |               |            |        |
| 9515/0000        | silicone additive to hammered (only for 1389/0000-5389/0000) | 0,885           | lt 1          | 11         | S      |
| 9534/9826        | accelerating polyurethane                                    | 0,892           | lt 1          | 11         |        |
| datasheet NF 196 |  |                 |               |            |        |
| 9550/0000        | disinfectant foaming spray for coating rooms                 | 0,947           | lt 5          | 51         | S      |
| datasheet NF 261 |  |                 |               |            |        |
| 9551/0000        | detergent for water systems                                  | 0,970           | kg 25         | 80         | S      |
| datasheet NF 263 |  |                 |               |            |        |



## thinners / catalysts for ureic nitro

| code           | description   | specific weight | unit quantity                   | pack. code           | avail.           |
|----------------|---|-----------------|---------------------------------|----------------------|------------------|
| 9095/0000      | anti-fog nitro thinner                                  | 0,840           | lt 25<br>lt 200                 | 89<br>95             | S<br>S           |
| 9031/0000      | synthetic thinner (for enamels and paintbrush)          | 0,789           | lt 5                            | 51                   | E                |
| in esaurimento |   |                 |                                 |                      |                  |
| 9037/0000      | synthetic thinner (for spraying and oven-baked enamels) | 0,908           | lt 1<br>lt 5<br>lt 25<br>lt 200 | 11<br>51<br>89<br>95 | S<br>S<br>S<br>S |
| 9039/0000      | synthetic thinner AC oven (for oven-baked enamels)      | 0,9             | lt 200                          | 95                   | -                |
| 9043/0000      | epoxy thinner   | 0,85            | lt 5<br>lt 25                   | 51<br>89             | S<br>S           |
| 9051/0000      | polyurethane thinner                                    | 0,861           | lt 5<br>lt 25                   | 51<br>89             | S<br>S           |
| 9053/0000      | slow thinner for polyurethanes and polyacrylics         | 0,924           | lt 5                            | 51                   | S                |
| 9055/0000      | polyurethane thinner (for industrial bodywork)          | 0,904           | lt 5<br>lt 25                   | 51<br>89             | S<br>S           |
| 9058/0000      | retardant polyurethane                                  | 0,967           | lt 5<br>lt 25                   | 51<br>87             | S<br>S           |
| 9038/0000      | flow thinner for polyurethanes                          | 0,883           | lt 25                           | 87                   | S                |

| code      | description                                     | specific weight | unit quantity | pack. code | avail. |
|-----------|---|-----------------|---------------|------------|--------|
| 9079/0000 | Metal/Ferval hardener thinner for electrostatic | 0,879           | lt 20         | 87         | S      |
| 9080/0000 | acid catalyst thinner for catalik               | 0,883           | lt 5<br>lt 20 | 51<br>87   | S<br>S |



# general terms and conditions of sale

**This catalogue supersedes all previous ones.**

## orders

All orders are subject to our final approval, to prices and conditions of the price list in force at the time of shipment and can not bind us to observe them or regarding the delivery terms requested by the customer. Prices shown in this price list do not include taxes and VAT.

## delivery

Except as provided by a different written agreement between Alcea and the buyer, the goods are delivered according to Incoterms 2000 ICC Paris, as follows:

**EXW - Ex Works loaded** - loaded in Alcea warehouse in Senago in the case of shipments to foreign countries or in Italy for quantities less than 200 kg or liters.

**CPT - Carriage paid to final destination** - carriage paid at final destination, only for shipments to Italy for amounts in excess of 200 kilograms or liters.

In both cases the risk of loss or damage transfers from Alcea to the buyer upon delivery to the first carrier, even in case of delivery CPT (carriage paid), as it is understood that each shipment is made on behalf of and on precise assignment of the customer.

In cases where the customer collects the goods directly from the carrier, any costs for warehousing and storage will be charged to the customer. For the products listed in this price list, delivery to the carrier will normally take place within 10 working days from the date of receipt of the order. For all the sample products and for products not included in this price list, the delivery will be agreed at the moment of the order.

The delivery terms are subject to unforeseen circumstances such as work interruptions, late or failed receiving of raw materials, strikes and other causes of force majeure that failure to comply with the scheduled deadlines, without entitling the customer to claim compensation of any kind.

ALCEA also reserves the right to reduce the quantity and/or make partial deliveries which cannot constitute an unfulfillment of its obligations.

The customers are responsible for the material received (type, weight and number of packages) **pointing out to the carrier any discrepancies or damage, in writing on the shipping document and countersigned by the carrier.** Countersigned copy of the transport document must be sent to Alcea for compensation towards the carrier.

## complaints and returns

Any return of goods must be authorized in advance by Alcea and sent to our office in Senago in CPT (carriage paid). Alcea will reject the returned goods without authorization or which are not sent in CPT (carriage paid). Any claim for defective merchandise or quality non-compliant must be notified in writing within 8 days from the date of receipt, as required by Articles 1511 and 1495 of the Civil Code. If the complaint is approved, we shall provide to the replacement of the goods without this entailing any claim for damages compensation. For complaints or any disputes, the competent authority is the Court of Milan.





## payments

The payments are considered as full and final discharge when they are made directly to our office in Senago for the full amount of the invoice.

The normal payment terms are:

- 60 days by cash order from the date of the transport document.

Any other condition must be agreed between the parties and accepted by Alcea S.r.l. If payment terms are not observed, the interest on arrears will be charged starting from the due date, as indicated by the ECB + 7 points, as indicated by art. 4 (paragraph 2) of Law-Decree 231 from 10.9.2002, and € 12.00 as fee charges. The VAT amount has to be incorporated in the first cash order when the payment of the total amount is split up.

## packaging

All items included in this price list are sold:

- with the packing included in the price, and therefore to lose, with the symbol **K**.
- net weight with the symbol **kg**
- per liter with the symbol **lt**

The cost of primary packaging is included in the price (except for deliveries in pallets which are property of Alcea). With the exception of special conditions agreed at the time of the order, with the products are transferred as final also their containers (primary packaging, boxes, cartons and shrink-wraps).

Pallets: **they must be returned immediately to Alcea by courier.**

The disposal of empty containers is, in all its phases, the responsibility of the user of the product according to current regulations. The environmental contribution CONAI is already included in the prices given in this price list (Law-Decree 22/97)

## warranty

Our products are thoroughly tested and will be sold only if they are quality standards compliant in accordance with the procedures of our quality certification, subject to tolerances. The products should be used as indicated by our data sheets; we ensure the product quality within the standard limits and we are not liable for any negative results due to their inappropriate use.

Claims for defective goods will be accepted only if provided according to the law.

## tolerances of use

Tolerance specific weight paste + / - 0.1 kg / lt.

Tolerance specific weight pigmented + / - 0.05 kg / lt.

Tolerance specific weight transparent + / - 0.025 kg / lt.

## explanation of pictograms



dilution



performance



drying



use



preservation

### dispenser pump:



pinion



bellows



piston

### applications:



brush



roll



spray



curtain coater



sponge



immersion



spatula

**office and factory**

|                        |                                      |
|------------------------|--------------------------------------|
| office and factory     | via piemonte, 18 - 20030 senago (mi) |
| shipping division      | via toglatti, 27 - 20030 senago (mi) |
| telephone switchboard  | +39 02 99014 1                       |
| fax sales office       | +39 02 99014 300                     |
| toll free fax in Italy | 800 827 159                          |

**sales office**

|                    |                  |                        |
|--------------------|------------------|------------------------|
| Marinella Capelli  | +39 02 99014 314 | m.capelli@alcea.com    |
| Laura Aliberti     | +39 02 99014 326 | l.aliberti@alcea.com   |
| Roberta Bonfanti   | +39 02 99014 320 | r.bonfanti@alcea.com   |
| Elisa Bosi         | +39 02 99014 318 | e.bosi@alcea.com       |
| Marinella Bozzolan | +39 02 99014 322 | m.bozzolan@alcea.com   |
| Laura Lancerotto   | +39 02 99014 324 | l.lancerotto@alcea.com |

**foreign sales office**

|               |                  |                    |
|---------------|------------------|--------------------|
| Angelo Pagani | +39 02 99014 316 | a.pagani@alcea.com |
| Guido Cecere  | +39 02 99014 328 | g.cecere@alcea.com |

**quality division**

|                 |                  |                   |
|-----------------|------------------|-------------------|
| Silvia Biassoni | +39 02 99014 408 | quality@alcea.com |
|-----------------|------------------|-------------------|

**technical division**

|  |                        |
|--|------------------------|
| general information                        | technical@alcea.com    |
| request geocolor® formulation of tints     | geocolor@alcea.com     |
| request smaltosistem® formulation of tints | smaltosistem@alcea.com |

**tinting division**

|   |                  |                       |
|---|------------------|-----------------------|
| Marco Mazzoleni                                   | +39 02 99014 304 | m.mazzoleni@alcea.com |
| Simone Diatto<br>hardware and software assistance | +39 02 99014 306 | s.diatto@alcea.com    |

**customer accountancy Italy**

|                 |                  |                      |
|-----------------|------------------|----------------------|
| Enrica Piemonti | +39 02 99014 424 | e.piemonti@alcea.com |
|-----------------|------------------|----------------------|

**external customer accountancy**

|                    |                  |                    |
|--------------------|------------------|--------------------|
| Maria Grazia Muzio | +39 02 99014 426 | mg.muzio@alcea.com |
|--------------------|------------------|--------------------|

**www.alcea.com**

|                            |                          |
|----------------------------|--------------------------|
| general informations       | alcea@alcea.com          |
| administrative information | administration@alcea.com |
| commercial information     | commercial@alcea.com     |



# ALCEA

via piemonte, 18 - 20030 senago (milan) - Italy  
tel. +39 02 99014 1 - fax +39 02 99014 300

[www.alcea.com](http://www.alcea.com)

