

ECLON PUR

2K-phosphate primer

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VFL
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Properties

ECLON PUR 2K-phosphate primer is a corrosion protection primer with excellent adhesion and mechanical resistance for the entire steel and metal construction sector. Thanks to «wet-on-wet» application in combination with PUR topcoats, the drying time for the entire system is significantly reduced.

Field of application

- As a broadly applicable corrosion protection primer in the entire steel and metal construction.
- In chemical construction as a chemical-resistant primer.
- Also as an excellent adhesion primer on various aluminium alloys such as copper, brass and zinc.

Pretreatment

Oil and grease deposits must be removed with solvents or emulsifier solutions. Salts or other water-soluble impurities must be removed with water and/or steam jet (according to EN/ISO 8502). Optimum adhesion is achieved by sandblasting, preferably grade Sa 2½ (EN/ISO 8501).

Attention: Always carry out preliminary tests when painting plastics.

Corrosion products of zinc must be removed as follows:

- a) Dust blasting.
- b) With a solution consisting of 10 l water and 0,5 l ammonia 25 % and a small addition of a household cleaner, the surface is sanded with a synthetic fleece (e.g. Scotch-Brite Pad 3M). A foam is formed which is left to work for about 10 minutes. Afterwards, the surface is sanded again until the foam is metallic grey. Afterwards, rinse very well with water and let it dry.

Processing

Can be processed at temperatures up to 5 °C (object temperature). The dew point must be observed.

System structure

ECLON PUR 2K-phosphate primer adheres to the following materials:
Drawn steel / Steel / Hot galvanized base (dust blasting) / Casting / Pressed steel / Galvanized substrate Aluminium and its alloys (dust blasting) / Copper (dust blasting) / Brass (dust blasting) / Many plastics

Coating thickness application

60 µm (dry film thickness)

Drying

At 20 °C substrate temperature: 60 µm (dry film thickness)

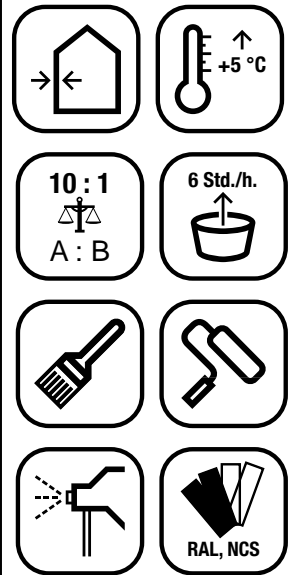
- ◆ Tack-free after about 40 minutes
- ◆ Firm to the touch after approx. 1 hour


Overpaintability: With 2-component polyurethane lacquers a «wet-on-wet» coating is possible. This saves time and money.

Dilution

For spraying dilute with ECLASOLV C-6191 universal thinner or dilute with ECLASOLV T-1900 PU spray thinner.

- Spray viscosity: 5 % addition of thinner. Since the material is thixotropic, the DIN 4mm cup is only suitable to a limited extent.
- Spreadable viscosity The delivery viscosity is brush viscosity.



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| Extensiveness | <p>Theoretically bei 60 µm 164g per m² / Practical: Factor 2.0-2.4 depending on object geometry</p> <p>The information on practical consumption corresponds to an average value for a spray application. Practical consumption can vary greatly, depending on the object geometry and the method of application.</p> |
| Mixing ratio | <p>Hardener A-1090</p> <p>10 parts by weight component A and 1 part by weight component B (10 : 1).</p> |
| Pot life | <p>After mixing the A and B components, ECLON PUR can be processed for about 6 hours at 20 °C.</p> |
| Application | <p>Air and airless spraying, brushing or rolling.</p> |
| Cleaning | <p>Clean tools immediately after use with nitro, universal or cleaning thinner.</p> |
| Delivery form | <p>Packages (including hardener) of 22, 11 and 5,5 kg.</p> |
| Shelf life | <p>ECLON PUR can be stored for at least 12 months in the well closed original container. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values.</p> <p>The hardener can be stored for at least 12 months in well-sealed original containers. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values.</p> |
| Viscosity | <p>Thixotrope</p> |
| Density | <p>Components A + B: 1,58 ± 0,05 g/cm³</p> |
| Solid content | <p>Components A + B: Weight = 77 ± 2 % / Volume = 58 ± 2 %</p> |
| Binder base | <p>Polyurethane resin cured with an aliphatic polyisocyanate</p> |
| Solvents | <p>Aromatics, esters.</p> |
| Pigment base | <p>Inorganic and organic colored pigments and phosphates.</p> |
| Gloss level | <p>Matt</p> |
| Colours | <p>Standard colours: RAL 7035 Light grey / RAL 7012 Basalt grey / RAL 7016 Anthracite grey / RAL 6003 Olive green / RAL 6013 Reed green / Black / Red brown / White</p> <p>According to colour chart RAL, NCS or according to template.</p> |
| Registration | <p>Components A: CPID 558252 Components B: Hardener A-1090 CPID 143629</p> |
| Classification | <p>For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.</p> |
| Note | <p><i>The specified solid value, density and coverage may vary depending on the color shade.</i> Calculation basis: Color shade white</p> |

This leaflet is only intended as a reference and non-binding advice. The processing must be adapted to the corresponding conditions. In special cases we recommend to contact our technical service. However, all data and information on the suitability and application of the delivered products do not exempt the processor from carrying out his own tests and trials. A claim for damages for omitted, incomplete or incorrect information is excluded. This applies in particular if thinners or hardeners and other products are used in the paint build-up system.

Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.