

AEC PU PRIMER LIGHT GREY

TECHNICAL DATA SHEET

AEC 2K PU PRIMER LIGHT GREY

Two component adherence primer with anti-corrosive pigments (zinc-phosphate) on acrylic resin basis, chemical cured with poly-isocyanate (polyurethane)

- Field of application**
- Protection against corrosion for iron and steel
 - Adherence primer for zinc surfaces

- Product properties**
- Medium Solid
 - Contains zincphosphate
 - Resistance to mineral oils
 - Abrasion resistance
 - Fast recoatability
 - Recoatability: with polyurethane paints (2K)

Technical Specification

Colours	grey Other colours upon request.
Flash point	>23 °C
Temperature stability	-20 up to 120 (short-term up to 150) °C
Gloss	Silky mat
Potential dry film thickness in one working process	60 up to 80 µm
Mixing ratio (Basis:hardener) by weight	Hardener AEC106/H06 5,5:1
Pot life in hours	3
Viscosity	Appr. 30 sec running time (DIN 6 mm pot)
Density in kg/l	1,31
Solid content in %	64
Solid volume in %	48
Theoretical spreading capacity	• 8,75 m ² /kg at 40 µm DFT
Recommended film thickness	100 µm WFT corresponds to 50 µm DFT
Drying (DIN EN ISO 1517)	40 µm DFT
Dust-dry (Tg1)	After 15 min
Touch-dry (Tg4)	After 1 h
Dry (Tg6)	After 1,5 h
Cured chemically	After 7 days
Interval for overcoating	• after 1,5 h with two component topcoats
Note	• The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014. • Lower temperatures and/or higher humidity will prolong drying and hardening. • Application below +5 °C is not possible.

Safety information (See Security Data Sheet)

Storage

- Storage
- In dry, cool rooms, if possible frost-proof
 - Ensure good ventilation

- Shelf life
- 6 month from date of delivery when in unopened original containers in cool and dry conditions

Application methods

- Mixing ratio
- Stirr homogeneous, preferably with mechanical stirrer
 - Mix base paint and hardener according to the mixing ratio as specified

- Airless spraying
- Flow pressure 180 bar
 - Nozzle size 0,011 - 0,014 inch (0,28 - 0,36 mm)
 - Spraying angle according to the geometry and size of the object to be laquered

- Compressed air spraying
- Spraying pressure 4 - 6 bar
 - Nozzle size 1,5 - 2 mm
 - Adjust to spraying viscosity (appr. 30 s DIN 4 mm) adding appr. 15 %NSP PU THINNER (two component products: after mixing)

- Electrostatic application
- Application is possible, provided that the material is set to the appropriate conductance for the system concerned

- Dipping
- Can not be applied as delivered

- Other methods
- Roller and brush application is possible in the quality as delivered

- Thinner
- Max. 15% NSP PU THINNER

- Cleaning
- Rinse immediately with thinner

- Preparation of support**
- Shot blasting to a purity according to SA 2½
 - If necessary clean with high pressure-cleaner and turbo-cleaner-solution
 - Sweeping for zincd supports
 - Mill scale, welding residues, dust, soluble residues from chemical pretreatments and zinc reaction products which might reduce adhesion have to be carefully and thoroughly removed

- General remarks**
- During coating and drying the humidity should be min. 30 % / max. 85 %
 - During coating and drying the environmental temperature should be min. 5°C / max. 30°C
 - Object temperature at least 3° C above dew point.

- Example for a system**
- Primer coat: AEC 2K PU PRIMER LIGHT GREY
 - Finish coat: AEC PU GLOSSY TOPCOAT

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