

## 2K-Deripox EG BBV 687.

Two component intermediate coating with micaceous iron oxide on epoxy resin basis, chemical cured with polyamine adduct

### Field of application

- Corrosion protection systems acc TL/TP-Corr steel structures. Intermediate coating for high corrosion protection requirements.
- According BAST for journal 87 TL/TP -Corr steel structures.

### Product properties

- High Solid
- Resistance to chemicals (on request)
- Resistance to mineral oils
- Coating systems for low temperatures
- Abrasion resistance
- Recoatability: with two component topcoats

### Technical Specification

Colours	<b>DB 702 (687.12)</b> , DB 703 (687.13) , DB 601 (687.14). Colour deviation (Colour deviations may occur in the range of high temperatures due to the restricted temperature resistance of the pigments)
Flash point	>23 °C
Temperature stability	-40 up to 200 (short-term up to 250) °C
Gloss	Silky mat
Potential dry film thickness in one working process	80 up to 120 µm
Mixing ratio	<b>Hardener HL 500</b>
(Basis:hardener) by weight	6:1
(Basis:hardener) by volume	3:1
Pot life in hours	12
Viscosity	Thixotrope
Density in kg/l	1,72
Solid content in %	79
Solid volume in %	58
Theoretical spreading capacity	<ul style="list-style-type: none"> <li>• 4,83 m²/l at 120 µm DFT</li> <li>• 2,81 m²/kg at 120 µm DFT</li> </ul>
Recommended film thickness	200 µm WFT corresponds to 120 µm DFT
Drying (DIN EN ISO 1517)	100 µm DFT
Dust-dry (Tg1)	After 70 min
Touch-dry (Tg4)	After 5 h
Dry (Tg6)	After 15 h
Cured chemically	After 7 days
Accelerated drying	30 min. at 60°C possible, after 10 min. flash-off time
Interval for overcoating	<ul style="list-style-type: none"> <li>• after 20 h universal</li> <li>• after 10 h with two component Derocryl topcoats</li> <li>• Max. after 6 months without slightly sanding</li> </ul>
Note	<ul style="list-style-type: none"> <li>• The specifications are related to the prepared mixture and are based on standard atmospheric conditions 23/50, DIN 50014.</li> <li>• Lower temperatures and/or higher humidity will prolong drying and hardening.</li> <li>• Using winter quality application is possible nearly to frost temperature. Application only on steel supports possible.</li> </ul>

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### Safety information (See Security Data Sheet)

VOC-level	Appr. 403 g/l
Solvent content	Appr. 21 % by weight
Aromatic content	Appr. 19 % by weight

### Storage

Storage	<ul style="list-style-type: none"> <li>In dry, cool rooms, if possible frost-proof</li> <li>Ensure good ventilation</li> </ul>
Shelf life	<ul style="list-style-type: none"> <li>6 month from date of delivery when in unopened original containers in cool and dry conditions</li> </ul>

### Application methods

Mixing ratio	<ul style="list-style-type: none"> <li>Stirr intensively with mechanical stirrer</li> <li>Mix base paint and hardener according to the mixing ratio as specified</li> </ul>
Airless spraying	<ul style="list-style-type: none"> <li>Flow pressure 180 bar</li> <li>Nozzle size 0,017 - 0,023 inch (0,43 - 0,58 mm)</li> <li>Spraying angle according to the geometry and size of the object to be laquered</li> </ul>
Compressed air spraying	<ul style="list-style-type: none"> <li>Spraying pressure 5 - 6 bar</li> <li>Nozzle size 1,8 - 2,2 mm</li> <li>Adjust to spraying viscosity (appr. 60 s DIN 4 mm) adding appr. 10 % Deripox-Verdünnung (687.150) (two component products: after mixing)</li> </ul>
Electrostatic application	<ul style="list-style-type: none"> <li>Application is not possible</li> </ul>
Dipping	<ul style="list-style-type: none"> <li>Can not be applied as delivered</li> </ul>
Other methods	<ul style="list-style-type: none"> <li>Roller and brush application is possible in the quality as delivered</li> </ul>
Thinner	<ul style="list-style-type: none"> <li>Max. 10% Deripox-Verdünnung (687.150)</li> </ul>
Cleaning	<ul style="list-style-type: none"> <li>Rinse immediately with Deripox-Verdünnung (687.150)</li> </ul>
<b>Preparation of support</b>	<ul style="list-style-type: none"> <li>Shot blasting to a purity according to SA 2½</li> <li>If necessary clean with high pressure-cleaner and turbo-cleaner-solution</li> <li>Sweeping for zinced supports</li> <li>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</li> </ul>
<b>General remarks</b>	<ul style="list-style-type: none"> <li>During coating and drying the humidity should be min. 10 % / max. 85 %</li> <li>During coating and drying the environmental temperature should be min. 5°C / max. 30°C</li> <li>Object temperature at least 3° C above dew point.</li> </ul>
<b>Example for a system</b>	<ul style="list-style-type: none"> <li>Primer coat: 2K-Deripox Grund BBV 687.</li> <li>Intermediate coat: 2K-Deripox EG BBV 687.</li> <li>Finish coat: 2K-Derocryl Lack 687.</li> </ul>

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Product group: EZ3996