

# REMOPLAST EP ZINK DB87

## Two component zinc rich epoxy primer

### Product properties

Complies with requirements for zinc-rich primers according to ISO 12944-5:2018 and SSPC Paint 20, type II, level 1  
 Excellent adhesion on blasted steel  
 Very good protective effect for steel

### Recommended uses

It is used exclusively on sandblasted surfaces.  
 Used as a primer in atmospheric exposure conditions.  
 Recommended for protection of structural steel in corrosive environment.

### Product data

|  |  |
|--|--|
| Colour   | grey   |
| Gloss  | Semi-Matt  |
| Volume solids with EP-HÄRTER REMOPLAST K.B     | 58 %   |
| Spec. Gravity                                  | 2,6 g/cm <sup>3</sup>  |
| VOC with EP-HÄRTER REMOPLAST K.B               | 392 g/l According directive 2010/75/EU                       |
| Theoretical coverage                           | 70 µm DFT<br>8,4 m <sup>2</sup> /l<br>3,2 m <sup>2</sup> /kg |
| Typical thickness with EP-HÄRTER REMOPLAST K.B | 70 µm  |

| Curing table for dry film thickness up to 70 µm | with EP-HÄRTER REMOPLAST K.B                    |        |        |
|---|---|--------|--------|
| Substrate temperature                           | 23 °C   | 15 °C  | 7 °C   |
| Dry to touch                                    | 25 min  | 30 min | 45 min |
| Dry to handle                                   | 2 hrs   | 3 hrs  | 22 hrs |
| Overcoating, minimum                            | 2 hrs   | 3 hrs  | 22 hrs |
| Overcoating, maximum                            | According to Kansai Helios technical guidelines |        |        |

|   |                                       |       |
|---|---------------------------------------|-------|
| Mixing ratio with EP-HÄRTER REMOPLAST K.B | 6,4 : 1 by volume<br>20 : 1 by weight |       |
| Working pot life                          | 20 °C                                 | 30 °C |
|   | 8 hrs                                 | 4 hrs |

|         |                               |
|---------|-------------------------------|
| Thinner | VERDUENNUNG 400 TL/TP 687.150 |
|---------|-------------------------------|

### Recommended substrate preparation

All surfaces to be coated shall be clean, dry and free from any contamination. Before application of the paint, all steel surfaces shall be assessed and treated in accordance with ISO 8501 and ISO 8504. The coating must be applied to the specified thickness, as soon as possible after the surface is properly prepared. Weld spatter, sharp weld seams and sharp edges shall be removed.

|       |  |
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| Steel | Blast cleaning to Sa 2 ½ according to ISO 8501-1:2007. Roughness profile grade medium (G), according to ISO 8503-1:2012. |
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### Preparing of mixture

|               |   |
|---------------|---|
| <b>Mixing</b> | Agitate part A with power agitator. Add part B (hardener) in the specified amount according to the mixing ratio. Agitate thoroughly with power agitator until liquids are homogeneous mixed. Thinner shall be added after mixing of the two components. |
|---------------|---|

### Application

|  | Thinning  | Nozzle          | Pressure         |
|--|---|-----------------|------------------|
|  <b>Airless</b> | by weight up to 5 %   | 0,015 - 0,021 " | at least 180 bar |
|  <b>Brush</b>   | For small areas and stripe coating<br>Thinning: by weight up to 5 % |                 |                  |
|  <b>Roller</b> | For small areas<br>Thinning: by weight up to 5 %                    |                 |                  |

Apply only on a clean and dry surface with a temperature at least 3 °C above the dew point to avoid condensation.  
 Substrate temperature during application and curing shall be above 7 °C.  
 Relative humidity during application and curing shall not exceed 80 %.  
 Thinner shall be added after mixing of the components.  
 Do not thin more than allowed by local environmental legislation.  
 Too much solvent results in a reduced sag resistance and slower cure.  
 Adequate ventilation shall be maintained during application and curing.

#### Additional information

Following further information can be found on [www.kansai-helios.eu](http://www.kansai-helios.eu)

#### Kansai Helios technical guidelines

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### Remarks

The provided information should be considered only as a guidance. Drying and curing times are determined under controlled temperatures and relative humidity below 80% and at average of the DFT range for the product. The actual drying times before overcoating may be different, depending on film thickness, ventilation, humidity, underlying paint system etc. Excessive application will extend both the minimum overcoating periods and handling times and may affect long term overcoating properties. When the maximum recoating time is exceeded, it might be necessary to roughen the surface before overcoating. When in doubt, consult KANSAI HELIOS.

|                                   |  |
|-----------------------------------|--|
| <b>UV and colour stability</b>    | Like all epoxy coatings, this product tends to chalk and discolor on outside exposure (UV light).  |
| <b>Approvals and certificates</b> | The corrosivity category C5 high according to EN ISO 12944-6: 2018 can be achieved in the tested system.   |
| <b>Cleaning</b>                   | Do not allow the paint to stay in hoses, gun or spray equipment. Clean all equipment with the prescribed cleaner immediately after use. Do not exceed pot life limitation! |

### Recommended coating system

#### System compatibility

**Intermediate Coat:** REMOPLAST MSR ULTRA\_IC  
 REMOPLAST DS GLIMMER  
 REMOPLAST TL GLIMMER  
 REMOPLAST TL GLIMMER DB87

**Topcoat:** REMOPLAST UVC PL HS ES  
 REMOPLAST UVC GLIMMER  
 REMOPLAST UVC GLIMMER DB87

### Safety precautions

This product is intended for use only by professionals and with reference to the corresponding Safety data sheet. All work involving the application, use and handling of this product shall be done in accordance with relevant national HSE regulations.

### Storage and shelf life

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

|             |                        |  |
|-------------|------------------------|--|
| Shelf life: | REMOPLAST EP ZINK DB87 | 12 Month from manufacture in unopened can. |
|             |                        | 24 Month from manufacture in unopened can. |

Subjected to re-inspection thereafter.

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### Disclaimer

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The provided information is based on our experience and on current knowledge, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the user to test, whether the product is suitable for the intended purpose, before using it. Any change in the processing procedure, the environmental conditions, or the failure to comply with instructions may unfavorably influence the result.

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