# REMOPLAST MSR ULTRAPRIMER

## Two component high solid epoxy zincphosphate/micaceous iron oxide primer

### Product properties

Low VOC product
Pigmented with micaceous iron oxide (MIOX) for enhanced barrier properties
Contains anticorrosive pigments thus ensuring excellent corrosion protection

### Recommended uses

General use epoxy primer in protective coating system for steel and galvanized steel.
Recommended for protection of structural steel in corrosive environment.

### Product data

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| **Colour** | oxide red, light grey, grey |
| **Gloss** | matt |
| **Volume solids with REMOPLAST SPEED HARDENER** | 80 % ± 2 |
| **Spec. Gravity** | 1,55 g/cm³ |
| **VOC with REMOPLAST SPEED HARDENER** | 230 g/l According directive 2010/75/EU |
| **Theoretical coverage with REMOPLAST SPEED HARDENER** | 100 µm DFT<br><br>8,1 m²/l<br>5,2 m²/kg |
| **Typical thickness** | 120 µm |

| **Curing table for dry film thickness up to 80 µm** | **with REMOPLAST SPEED HARDENER** | | |
|---|---|---|---|
| **Substrate temperature** | 23 °C | 15 °C | 5 °C |
| **Dry to touch** | 35 min | 75 min | 3 hrs |
| **Dry to handle** | 6 hrs | 7 hrs | 24 hrs |
| **Fully cured** | 5 Days | 7 Days | 10 Days |
| **Overcoating, minimum** | 6 hrs | 7 hrs | 24 hrs |
| **Overcoating, maximum** | 7 Days | 10 Days | 15 Days |

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| **Mixing ratio with REMOPLAST SPEED HARDENER** | 5,5 : 1 by volume<br>10 : 1 by weight |
| **Working pot life** | 20 °C |
| | 4 hrs |

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| **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. |
| **Hot-dip galvanised steel** | The surface must be dry and free from any contamination. Sweep blasting till uniform matt appearance is achieved. |

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### Preparing of mixture

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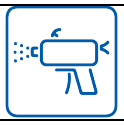
| **Mixing** | Agitate part A with power agitator. Add part B (hardener) in the specified amount according to the mixing ratio. Agitate thoroughly with power agitator until liquids are homogeneous mixed. Thinner shall be added after mixing or the two components. |

### Application

DFT maximum 180. µm

| | Thinning | Nozzle | Pressure |
|---|---|---|---|
|  **Airless** | by weight 3 % | 0,015 - 0,021 " | at least 180 bar |

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|  **Brush** | For small areas and stripe coating<br>Thinning: by weight up to 3 % |

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|---|---|
|  **Roller** | For small areas<br>Thinning: by weight up to 3 % |

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| **Repair** | Corroded or damaged areas shall be blasted to Sa 2 ½ or mecanicaly cleaned to St 3, according to standard ISO 8501-1. Prior to overcoating, the existing coating shall be dry, free from any loose paint, grease, oil and any other contaminants. |

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 0 °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.
Adequate ventilation shall be maintained during application and curing.
Too much solvent results in a reduced sag resistance and slower cure.

**Additional information**

Following further information can be found on 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.
The solid content by volume is determined using the internal method PV 00155.

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| **UV and colour stability** | Like all epoxy coatings, this product tends to chalk and discolor on outside exposure (UV light). |
| **Suitability and use** | Temperature resistance: short-term 150°C, permanent max. 120°C |
| **Cleaning** | 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

Different combinations of KANSAI HELIOS coatings are possible.

**System compatibility**

**Intermediate Coat:** REMOPLAST MSR ULTRA IC
REMOPLAST TL GLIMMER

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

### 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.

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| Shelf life: | REMOPLAST MSR ULTRAPRIMER | 24 Month from manufacture in unopened can. |
| | REMOPLAST SPEED HARDENER | 36 Month from manufacture in unopened can. |

Subjected to re-inspection thereafter.

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Disclaimer

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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