

# REM 61 PRIMER

## Two component epoxy primer with zinc phosphate

### Product properties

Excellent adhesion on steel and hot dip galvanized steel  
 Contains anticorrosive pigments  
 Based on epoxy resin and polyamidoamine adduct.

### Recommended uses

General use epoxy primer in protective coating system for steel and galvanized steel.  
 It can be applied on stainless steel.

### Product data

<b>Colour</b>	limited selection
<b>Volume solids with EP-HÄRTER REMOPLAST K.B</b>	47 %
<b>Spec. Gravity</b>	1,4 g/cm <sup>3</sup>
<b>VOC with EP-HÄRTER REMOPLAST K.B</b>	472 g/l According directive 2010/75/EU
<b>Theoretical coverage with EP-HÄRTER REMOPLAST K.B</b>	80 µm DFT 4,2 m <sup>2</sup> /kg
<b>Typical thickness with EP-HÄRTER REMOPLAST K.B</b>	80 µm

<b>Curing table for dry film thickness up to 80 µm</b>	<b>with EP-HÄRTER REMOPLAST K.B</b>		
<b>Substrate temperature</b>	23 °C	15 °C	7 °C
<b>Dry to touch</b>	30 min	50 min	2 hrs
<b>Dry to handle</b>	3 hrs	5 hrs	18 hrs
<b>Overcoating, minimum</b>	3 hrs	5 hrs	18 hrs
<b>Overcoating, maximum</b>	7 d	7 d	7 d

<b>Mixing ratio with EP-HÄRTER REMOPLAST K.B</b>	3,5 : 1 by volume 6 : 1 by weight
<b>Working pot life</b>	20 °C 8 hrs

<b>Thinner</b>	VERDUENNUNG 400 TL/TP 687.150
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### 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.

<b>Steel</b>	Blast cleaning to Sa 2 ½ according to ISO 8501-1:2007.
<b>Stainless steel</b>	The surface shall be sufficiently roughened by sweep blasting with inert non-metallic abrasives.
<b>Aluminium</b>	Smaller areas can be lightly sanded with abrasive paper. Abrasive blast cleaning to achieve a sharp and angular surface profile with approved non - metallic abrasive media.
<b>Hot-dip galvanised steel</b>	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

<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.
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### Application

	Thinning	Nozzle	Pressure
 <b>Airless</b>		0,015 - 0,019 "	at least 180 bar
 <b>Brush</b>	For small areas and stripe coating		
 <b>Roller</b>	For small areas		

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>Suitability and use</b>	In combination with proper intermediate and/or topcoat, it is suitable for corrosivity category C1 to C5 according to ISO 12944.
<b>Approvals and certificates</b>	Approved according RVS 15.05.11.
<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 TL GLIMMER

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

### 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:	REM 61 PRIMER	24 Month from manufacture in unopened can.
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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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