

# REMOPLAST HS UVC NUS

## Two component high solid acrylic polyurethane topcoat

### Product properties

Good mechanical strength and corrosion protection  
 Pigmented with micaceous iron oxide (MIOX) for enhanced barrier properties  
 Fast drying  
 Approved as topcoat according to RVS 15.05.11.

### Recommended uses

Used in environments with high corrosivity, providing long lasting protection.  
 Used in the protective systems of different steel construction, railway vehicles, construction and agricultural machinery.

### Product data

<b>Colour</b>	According to TL/TP KOR Steel Structures Appendix H
<b>Gloss</b>	Semi-Matt
<b>Volume solids with PU-HAERTER 400 UVC</b>	64 %
<b>Spec. Gravity</b>	1,6 g/cm <sup>3</sup>
<b>VOC with PU-HAERTER 400 UVC</b>	420 g/l According directive 2010/75/EU
<b>Theoretical coverage</b>	80 µm DFT 8,0 m <sup>2</sup> /l 5,0 m <sup>2</sup> /kg
<b>Typical thickness with PU-HAERTER 400 UVC</b>	80 µm

Curing table for dry film thickness up to 80 µm	with PU-HAERTER 400 UVC		
<b>Substrate temperature</b>	23 °C	15 °C	5 °C
<b>Dry to touch</b>	45 min	1 hrs	5 hrs
<b>Dry to handle</b>	4 hrs	5 hrs	17 hrs
<b>Overcoating, minimum</b>	4 hrs	8 hrs	48 hrs
<b>Overcoating, maximum</b>	According to Kansai Helios technical guidelines		

<b>Mixing ratio with PU-HAERTER 400 UVC</b>	6,1 : 1 by volume 10 : 1 by weight	
<b>Working pot life</b>	20 °C 3 hrs	5 °C 8 hrs

<b>Thinner</b>	VERDUENNUNG 200 TL/TP 687.151
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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>Coated surfaces</b>	Clean, dry approved primer. Clean, dry and undamaged compatible coating. The surface of the previous coating shall be sufficiently roughened if necessary.
<b>Substrate temperature and application conditions</b>	Substrate temperature during application and curing shall be above 5°C (41°F). Substrate temperature during application and curing shall be at least 3°C (5°F) above dew point.




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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 or the two components.
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### Application

	<b>Thinning</b>	<b>Nozzle</b>	<b>Pressure</b>
 <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 Thinning: by weight up to 5 %		
 <b>Roller</b>	For small areas Thinning: by weight up to 5 %		
<b>Repair</b>	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 5 °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. The solid content by volume is determined using the internal method PV 00155.

<b>Suitability and use</b>	Temperature resistance: short-term 150°C, permanent max. 120°C
<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

**Primer:** REMOPLAST EP ZINK  
REM 61 PRIMER

**Intermediate Coat:** REMOPLAST HS TL GLIMMER NUS

### 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 HS UVC NUS	24 Month from manufacture in unopened can.
	PU-HAERTER 400 UVC	24 Month from manufacture in unopened can.

Subjected to re-inspection thereafter.

Warning, PU hardeners react with moisture, thus don't leave cans open. Don't store partially used cans of hardener for prolonged time.

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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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