REMOPLAST UVC PL HS ES ID

Two component polyurethane DTM
Two component polyurethane topcoat

Product properties

High build product
Low VOC product
Fast drying
Excellent adhesion on steel and hot dip galvanized steel
Contains anticorrosive pigments

Recommended uses

Recommended for protection of structural steel in corrosive environment.
For new construction, maintenance and repairs.

Product data

Colour	according to RAL card or sample
Gloss	Semi – gloss
Volume solids with PU-HAERTER 400 UVC	69 % ± 2
Spec. Gravity	1,4 g/cm³
VOC with PU-HAERTER 400 UVC	320 g/l According directive 2010/75/EU
Theoretical coverage	100 µm DFT 6,3 m²/l 4,5 m²/kg
Typical thickness	100 µm

Curing table for dry film thickness up to 100 µm	**with PU-HAERTER 400 UVC**		
Substrate temperature	23 °C	15 °C	10 °C
Dry to touch	45 min	1 hrs	75 min
Dry to handle	6 hrs	9 hrs	24 hrs
Fully cured	5 d	7 d	9 d
Overcoating, maximum	According to Kansai Helios technical guidelines		

Mixing ratio with PU-HAERTER 400 UVC	7 : 1 by volume 10 : 1 by weight	
Working pot life	20 °C	5 °C
	3 hrs	24 hrs

Thinner	**VERDUENNUNG 200 TL/TP 687.151**

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.

Steel	Blast cleaning to Sa 2 ½ according to ISO 8501-1:2007. Roughness profile grade medium (G), according to ISO 8503-1:2012.
Coated surfaces	Clean, dry approved primer.
Hot-dip galvanised steel	The surface must be dry and free from any contamination. Sweep blasting till uniform matt appearance is achieved. "Note: Aluminum-colored paints in quality UVC PL HS ES, such as RAL 9006,

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	RAL 9007, etc., must not be used as a single-coat finish on zinc substrates. For hot-dip galvanized substrates, we recommend a two-coat system using Remoplast MSR Ultraprimer or REM 61 Primer as a base coat."

Preparing of mixture

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

	Thinning	Nozzle	Pressure
 **Airless**	by weight up to 5 %	0,011 - 0,021 "	at least 180 bar

	Thinning	Nozzle	Pressure
 **Air Spray**	by weight up to 7 %	1,5 - 1,8 mm	at least4 bar

 **Brush**	For small areas and stripe coating Thinning: by weight up to 5 %by volume up to 8 %

 **Roller**	For small areas Thinning: by weight up to 5 %by volume up to 8 %

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 5 °C.
Relative humidity during application and curing shall not exceed 80 %.
Thinner shall be added after mixing of the components.
Too much solvent results in a reduced sag resistance and slower cure.
Do not thin more than allowed by local environmental legislation.
Adequate ventilation shall be maintained during application and curing.

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.

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!

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 UVC PL HS ES ID	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.

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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