

REMOSIL OM 101

Product properties

One component ethylsilicate zincdust primer
 Complies with requirements for zinc-rich primers according to ISO 12944-5:2018 and SSPC Paint 20, type I, level 2
 Temperature resistant up to 400°C
 For slip resistant connections according RVS 15.05.11 (coefficient of friction > 0,4 according EN 1090)

Recommended uses

It is applied as primer in system with different top coats.
 It is used exclusively on sandblasted surfaces.

Product data

Colour	grey
Gloss	matt
Volume solids with	67 %
Spec. Gravity	3 g/cm ³
VOC	375 g/l According directive 2010/75/EU
Theoretical coverage	70 µm DFT
Typical thickness	3,2 m ² /kg 70 µm

Curing table for dry film thickness up to 70 µm	
Substrate temperature	20 °C
Dry to touch	15 min
Dry to handle	30 min
Overcoating, minimum	16 hrs
Overcoating, maximum	According to Kansai Helios technical guidelines

Thinner	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.

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

Mixing	Stir container with a high-speed agitator for at least 90 seconds with a toothed dispersion blade before use.
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Application

DFT maximum 100. µm

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	Thinning	Nozzle	Pressure
 Airless	by weight up to 3 %	0,015 - 0,019 "	at least 100 bar
 Brush	For small areas and stripe coating Thinning: by weight up to 3 %		
 Roller	For small areas Thinning: by weight up to 3 %		

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.
 The humidity during processing and curing must not be below 50 %.
 At lower temperatures and/or humidity, the recoating interval is extended.
 Adequate ventilation shall be maintained during application and curing.
 Too much solvent results in a reduced sag resistance and slower cure.
 Do not thin more than allowed by local environmental legislation.

Additional information

Following further information can be found on www.kansai-helios.eu

Kansai Helios technical guidelines

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.

Approvals and certificates	Tested and approved according EN 1090-2 Appendix G for friction coefficient class B Approved according RVS 15.05.11.
Cleaning	Clean all equipment with the prescribed cleaner immediately after use.

Recommended coating system

System compatibility

Topcoat: REMOSIL "S" ALU
 THERMODUR 600 STAN
 THERMODUR 600 ASS

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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:	REMOSIL OM 101	12 Month from manufacture in unopened can.
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Subjected to re-inspection thereafter.

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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