

MAIN PRODUCT PROPERTIES	 Listing and regular external control according to TL/TP-ING, Blatt 100
	High-grade 2-pack PUR top coat for steel buildings and steel

- constructions Nominal dry film thicknesses of 80 to 100 µm by spraying, of approx. 60 µm by brush application or roller coating
- Excellent light stability at natural weathering

PRODUCT DATA

WIEREGEN-M100		RAL colours, satin glossy
	<u>Code no. 100.3.75 to 100.3.99</u> M100-S	RAL colours (other colours on request)
A:B	Mixing ratio by weight 3:1 with curing agent DX-100	
	Thinner V-562	

WIEREGEN-M100

Guide values RAL colours ¹⁾ Solid content VOC-content Solid content by volume Density (g/mL) 1.5 (weight %) (weight %) (%) (mL/kg) 7 8 9 ÷ 4 5 6 × 1 2 3 + 0 , = 86.0 14.0 76.0 507 VOC-content DFT * Calculated wet-film Consumption Spreading rate (g/m²)²⁾ (kg/m²) ³⁾ (µm) thickness (µm) (m²/kg) 80 102 2.8 0.158 6.3

1) Guide values averaged data, slight deviations are possible depending on the colour

2) Based on consumption in g/m² at DFT 10 μm

3) Theoretical consumption related on a smooth surface. Dependent on surface roughness and processing losses, different consumption data will be achieved in practice.

COMMENTS ON PROCESSING

Recommendation at temperatures of approx. 20 °C			•
	Airless	High pressure	Roller/Brush application ⁴⁾
Nozzle diameter (mm)	0.28 to 0.38	1.5 to 2.0	-
Material pressure (bar)	150 to 250	-	-
Atomiser pressure (bar)	-	3.0 to 4.0	-
DFT * per working operation (µm)	80 to 100	80 to 100	40 to 60
Addition of thinner (%)	0 to 2	0 to 2	0 to 2

DFT = Dry Film Thickness

4) recommended only for small areas

Sofienstraße 36 Obere Kaiserswerther Straße 18 Gewerbestraße 8

Phone +49 7255 99-0 Phone +49 203 99707-0 Phone +49 35242 6565-0 Fax +49 7255 99-123 Fax +49 203 99707-10 Fax +49 35242 6565-29



WIEREGEN-M100

2C-PUR Top Coat

Amplent air tammaratura

Pot life at	7 °C	15 °C	30 °C
	3 hours	1.5 hours	approx. 30 minutes

Drying/Curing times at 80 µm DFT	Ambient air temperature			
Drying/Curing times at 60 µm DF1	7 °C	15 °C	30 °C	
())))))) dust-free:	≤ 5 hours	≤ 2 hours	≤ 1 hour	
tack-free:	≤ 36 hours	≤ 10 hours	≤ 6 hours	
overcoating interval / dry to handle:	≤ 72 hours	≤ 24 hours	≤ 16 hours	

Notes referring to Directive 2004/42/EC "Decopaint-Directive"

Subcategory as referred to in Annex IIA	VOC limit values (Phase II from 2010)	Max. VOC content of the product in its ready-for-use condition (including the max. amount of diluents as given in "Application methods")
J ("Two-pack reactive performance coatings") Type Lb	500 g/l	< 500 g/l

INSTRUCTIONS FOR APPLICATION

Surface preparation

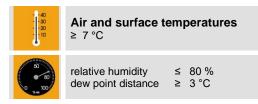
TECHNICAL INFORMATION

Page 2/3 - March 2025 / Vers. 5

Corrosion Protection

Required priming coats resp. intermediate coats (see page 3)

Remove adhesion-reducing substances



Further details on processing and execution are described in the relevant applicable instructions.



PAINT SYSTEMS	Substrate: Steel, blast-cleaning in surface preparation grade Sa 2 ½ in accordance with EN ISO 12944-4			a 2 ½ in
EXAMPLES			Product(s) (other paint systems on request)	NDFT (µm)
		Priming coat	GEHOPON-E100R-Zink	80
		1. Intermediate coat	GEHOPON-E100R-ZB	160
		2. Intermediate coat	WIEREGEN-M100R-ZB	80
		Top coat	WIEREGEN-M100	80
		Optional clear coat	WIEREGEN-M100-Klarlack	30

Several coating systems for the corrosivity categories C3 to CX according to EN ISO 12944-5 are possible. Please ask for our advice for your specific application.

SAFETY MEASURES



The relevant data can be found in the current material safety data sheets, available at www.geholit-wiemer.de.

The statements made here are based on the present state of our knowledge. We do not assume liability for damages resulting from the use of the material or from any advice given by our employees. In this respect, any advice given by our employees has to be seen as not binding. The processor is responsible for the supervision or construction, the maintaining of process guidelines and the observation of the established rules of techniques, even if our employees are present at the time our material is being applied. This information is subject to modifications due to technical improvements. The latest edition of this information replaces all previous issues.

D-76676 Graben-Neudorf D-47249 Duisburg D-01683 Nossen

Sofienstraße 36 Obere Kaiserswerther Straße 18 Gewerbestraße 8

Phone +49 7255 99-0 Phone +49 203 99707-0 Phone +49 35242 6565-0 Fax +49 7255 99-123 Fax +49 203 99707-10 Fax +49 35242 6565-29