





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
	Code no. 100.3.75 to 100.3.99 M100-S...	RAL colours (other colours on request)
	Mixing ratio by weight 3:1 with curing agent DX-100	
	Thinner V-562	

WIEREGEN-M100		Guide values RAL colours ¹⁾			
	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume (%) (mL/kg)	
	1.5	86.0	14.0	76.0	507
	DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m ²) ²⁾	Consumption (kg/m ²) ³⁾	Spreading rate (m ² /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⁾

	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



Pot life at

7 °C

3 hours

15 °C

1.5 hours

30 °C

approx. 30
minutes

Drying/Curing times at 80 µm DFT

Ambient air temperature

7 °C

≤ 5 hours

15 °C

≤ 2 hours

30 °C

≤ 1 hour



dust-free:



tack-free:



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

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

- Remove adhesion-reducing substances



Air and surface temperatures
≥ 7 °C




relative humidity ≤ 80 %
dew point distance ≥ 3 °C

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

PAINT SYSTEMS

EXAMPLES

Substrate: Steel, blast-cleaning in surface preparation grade Sa 2 ½ in accordance with EN ISO 12944-4

		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-wierner.de.

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