

MAIN PRODUCT PROPERTIES

- In accordance with TL/TP-ING, Blatt 100, and subject to regular external control
- Additional optional transparent layer for increasing UV and colour stability during weathering on 2C-PUR top coats for steel buildings and steel structures
- In combination with WIEREGEN-M100, excellent colour and gloss stability when exposed to natural weathering
- Nominal dry film thicknesses of 30 µm

PRODUCT DATA

WIEREGEN-M100-Klarlack, glossy



M100-G0050 transparent
Code no. 100.3.00



Mixing ratio by weight
1,5:1 with curing agent DX-10



Thinner V-77

WIEREGEN-M100-Klarlack, glossy

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
	1.05	79.0	21.0	(%)	(mL/kg)
	DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m ²)	Spreading rate	
	30	40	0.042	(m ² /kg)	24.0

COMMENTS ON PROCESSING

Recommendation at temperatures of approx. 20 °C



**Airless/
Airmix**



High pressure



Roller/Brush application ¹⁾

	Airless/ Airmix	High pressure	Roller/Brush application ¹⁾
Application viscosity (s) (4 mm DIN cup)	15 to 20	15 to 20	15 to 25
Nozzle diameter (mm)	0.20 to 0.30	1.0 to 1.5	-
Material pressure (bar) Airless Airmix	200 to 300 100 to 150	-	-
Atomiser pressure (bar)	4.0 to 5.0	2.0 to 3.0	-
DFT * per working operation (µm)	30 to 40	30 to 40	30 to 40
Addition of thinner (%)	15 to 20	15 to 20	15 to 20

¹⁾ recommended only for small areas

* DFT = Dry Film Thickness



Pot life at

10 °C

3 hours

20 °C

2 hours

30 °C

45 minutes

Drying/Curing times at 30 µm DFT		Ambient air temperature		
		5 °C	15 °C	30 °C
	dust-free:	≤ 3 hours	≤ 1 hour	≤ 45 minutes
	tack-free:	≤ 24 hours	≤ 8 hours	≤ 4 hours
	overcoating interval / dry to handle:	≤ 60 hours	≤ 24 hours	≤ 12 hours

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

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

INSTRUCTIONS FOR APPLICATION

Surface preparation

Required coats (see below)

- Remove adhesion-reducing substances, e.g., cleaning, washing
- Before overcoating of other coats, compatibility tests are recommended



Air and surface temperatures

Optimal at 15 to 25 °C, not below 10 °C, not above 40 °C



Max. 80 % relative humidity

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

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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