





MAIN PRODUCT PROPERTIES

- Listing and regular external control according to TL/TP-ING, Blatt 100
- High-grade, quick curing 2-pack PUR top coat for steel buildings and steel constructions
- Nominal dry film thicknesses of 80 to 100 µm by spraying, from approx. 60 µm by brush application or roller coating
- Excellent recoatability after cleaning of the surface

PRODUCT DATA

WIEREGEN-M101R	MIO colours
	Code no. 100.3.30 to 100.3.74 M101R-E.... MIO colours (according to G+W colour chart)
	Mixing ratio by weight 14:1 with curing agent DX-10
	Thinner V-562

WIEREGEN-M101R	Guide values MIO colours ¹⁾				
	Density (g/mL) 1.5	Solid content (weight %) 74.5	VOC-content (weight %) 25.5	Solid content by volume (%) (mL/kg) 56.0 375	
	DFT * (µm) 80	Calculated wet-film thickness (µm) 143	VOC-content (g/m ²) ²⁾ 6.9	Consumption (kg/m ²) ³⁾ 0.215	Spreading rate (m ² /kg) 4.7

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**

	Airless	High pressure	Roller/Brush application
Nozzle diameter (mm)	0.33 to 0.58	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 3	3 to 5	0 to 1

* DFT = Dry Film Thickness

 Pot life at	5 °C	15 °C	30 °C
	6 hours	4 hours	3 hours

Drying/Curing times at 80 µm DFT		Ambient air temperature		
		5 °C	15 °C	30 °C
	dust-free:	≤ 4 hours	≤ 2 hours	≤ 1 hour
	tack-free:	≤ 10 hours	≤ 4 hours	≤ 2.5 hours
	overcoating interval / dry to handle:	≤ 16 hours	≤ 6 hours	≤ 4 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 ≥ 5 °C
	relative humidity ≤ 80 % dew point distance ≥ 3 °C

Further details for 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-M101R	80

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 special 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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