

#### TECHNICAL INFORMATION

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#### **WIEREGEN-M101R**

2C-PUR Top Coat, quick curing

## 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

r chart)

WIEREGEN-M101R Guide		Guide value	uide values MIO colours <sup>1)</sup>		
7 8 9 ÷ 4 5 6 X	Density (g/mL) 1.5	Solid content (weight %) 74.5	VOC-content (weight %) 25.5	Solid conte (%) <b>56.0</b>	nt by volume (mL/kg) <b>375</b>
1 2 3 +	DFT * (µm) <b>80</b>	Calculated wet-film thickness (µm)	VOC-content (g/m²) <sup>2)</sup> <b>6.9</b>	Consumption (kg/m²) <sup>3)</sup> <b>0.215</b>	Spreading rate (m²/kg) <b>4.7</b>

- 1) Guide values averaged data, slight deviations are possible depending on the colour
- 2) Based on consumption in g/m² at DFT 10  $\mu m$

## COMMENTS ON PROCESSING

Recommendation at temperatures of approx. 20 °C







	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

<sup>\*</sup> DFT = Dry Film Thickness

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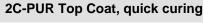
<sup>3)</sup> Theoretical consumption related on a smooth surface. Dependent on surface roughness and processing losses, different consumption data will be achieved in practice.



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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
4	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		
1 ( <b>"T</b>	(i flase ii floifi 2010)	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  $\leq 80 \%$  dew point distance  $\geq 3 \degree C$ 

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

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# 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-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.

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