

## MAIN PRODUCT PROPERTIES

- High-grade 2C-PUR top coat for steel buildings and steel constructions in different gloss levels
- Nominal dry film thicknesses of 60 to 100 µm by spraying, of approx. 60 µm by brush application or roller coating
- Very good light stability at natural weathering

## PRODUCT DATA

### WIEREGEN-M90

RAL colours, flat, satin glossy



M90-F.... flat  
M90-S .... satin glossy





**Mixing ratio by weight**  
6.5:1 with curing agent DX-10



Thinner V-562

### WIEREGEN-M90

**Guide values**  
RAL colours, flat, satin glossy <sup>1)</sup>

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
	1.35	75.5	24.5	(%)	(mL/kg)
				<b>62.0</b>	<b>460</b>
	DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m <sup>2</sup> ) <sup>2)</sup>	Consumption (kg/m <sup>2</sup> ) <sup>3)</sup>	Spreading rate (m <sup>2</sup> /kg)
	80	130	5.2	0.175	5.7

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

2) Based on consumption in g/m<sup>2</sup> 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 <sup>4)</sup>**

	Airless	High pressure	Roller/Brush application <sup>4)</sup>
<b>Nozzle diameter (mm)</b>	0.38 to 0.48	1.5 to 2.0	-
<b>Material pressure (bar)</b>	200 to 300	-	-
<b>Atomiser pressure (bar)</b>	-	3.0 to 4.0	-
<b>DFT * per working operation (µm)</b>	60 to 100	60 to 100	40 to 60
<b>Addition of thinner (%)</b>	0 to 5	5 to 10	0 to 5

\* DFT = Dry Film Thickness

4) recommended only for small areas

	<b>Pot life at</b>	<b>10 °C</b>	<b>20 °C</b>	<b>30 °C</b>
		3 hours	1,5 hours	approx. 45 minutes

<b>Drying/Curing times at 80 µm DFT</b>		<b>Ambient air temperature</b>		
		<b>10 °C</b>	<b>20 °C</b>	<b>30 °C</b>
	dust-free:	90 minutes	40 minutes	30 minutes
	tack-free:	≤ 12 hours	≤ 6 hours	≤ 4 hours
	dry to handle:	≤ 16 hours	≤ 8 hours	≤ 6 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 respectively intermediate coats (see page 3)

- Remove adhesion-reducing substances


	<b>Air and surface temperatures</b> ≥ 7 °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**

		<b>Product(s)</b> (other paint systems on request)	<b>NDFT (µm)</b>
	<b>Priming coats</b>	GEHOPON-E97R-Zink GEHOPON-E90R-Metallgrund	80 80 to 160
	<b>Intermediate coats</b>	GEHOPON-E97R-ZB WIEREGEN-M97R-ZB GEHOPON-E90R-ZB	80 80 80 to 160
	<b>Top coat</b>	WIEREGEN-M90	80

**Substrate: hot-dip galvanised steel in accordance with EN ISO 1461, with appropriate surface preparation**

		<b>Product(s)</b> (other paint systems on request)	<b>NDFT (µm)</b>
	<b>Intermediate coats</b>	GEHOPON-E60-Korrogrund GEHOPON-E90R-ZB GEHOPON-E97R-ZB GEHOTEX-W91	80 to 160 80 to 160 80 80 to 120
	<b>Top coat</b>	WIEREGEN-M90	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](http://www.geholit-wierner.de).

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