





MAIN PRODUCT-PROPERTIES

- In accordance with TL/TP-ING, Blatt 50 and is subject to regular external control
- 2-pack PUR Top coat with high mechanical resistance for interior coating of partly walkable, airtight welded box girders of bridges
- Nominal dry film thickness 100 µm per working operation by airless spraying
- Excellent recoatability after cleaning of the surface

PRODUCT DATA

WIEREGEN-M50R	
	M50R-F9002 Grey white approx. RAL 9002 code number 650.97
	Mixing ratio by weight 17:1 with curing agent DX-10
	Thinner V-89

WIEREGEN-M50R		Guideline RAL-colours ¹⁾			
	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume (%)	Solid content by volume (mL/kg)
	1.45	76.0	24.0	60.0	415
	DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m ²) ²⁾	Consumption (kg/m ²) ³⁾	Spreading rate (m ² /kg)
	100	166	5.8	0.240	4.2

1) Guideline averaged data, slight deviation 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






Roller/Brush application

Nozzle diameter (mm)	0.38 to 0.63	-
Material pressure (bar)	300 to 400	-
Atomiser pressure (bar)	-	-
DFT * per working operation (µm)	100	80
Addition of thinner (%)	0 to 4	0 to 4

* DFT = Dry Film Thickness

**COMMENTS ON
PROCESSING**

	Pot life	5 °C	15 °C	30 °C
		6 hours	3 hours	1 hour

	Crying/Curing times at 100 µm DFT	Ambient air temperature		
		5 °C	15 °C	30 °C
	dust free:	after 120 minutes	after 60 minutes	after 30 minutes
	tack free:	after 8 hours	after 4 hours	after 2 hours
	overcoating interval / dry to handle:	after 16 hours	after 8 hours	after 4 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 SB	500 g/l	< 500 g/l

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Required Priming coats

- Remove adhesion-reducing substances e. g. cleaning, washing

	Air and surface temperature ≥ 5 °C
	relative humidity ≤ 80 % dew point distance ≥ 3 °C

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

PAINT SYSTEMS

EXAMPLES

Substrate: steel, blast-cleaning in surface preparation grade Sa 2 in accordance with EN ISO 12944-4, medium (G)

		Product(s) (other paint systems on request)	NDFT
	Priming coat	GEHOPON-E50R-Metallgrund	100
	Top coat	WIEREGEN-M50R	100

SAFETY MEASURES



The relevant data can be found in the current material safety data sheets, available at www.geholti-wierner.de.

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