





MAIN PRODUCT-PROPERTIES

- High-grade, satin glossy 2C-PUR topcoat for steel buildings and steel constructions
- Excellent colour stability at natural weathering, particularly in the case of inorganic pigmented colours
- Nominal dry film thicknesses of 80 to 100 µm by spraying, of approx. 50 µm by brush application or roller coating
- Excellent recoatability after cleaning of the surface

PRODUCT DATA

WIEREGEN-M29	RAL-colours, satin glossy	
	M29-S... satin glossy (other colours on request)	
	Mixing ratio by weight 5.5:1 with curing agent DX-29	
	Thinner V-89 Thinner V-560	(Standard: ambient temperature 10 – 23 °C) (Slow: ambient temperature 23 – 40 °C)

WIEREGEN-M29	Guideline RAL-colours ¹⁾				
	Density (g/mL) 1.35	Solid content (weight %) 73.0	VOC-content (weight %) 27.0	Solid content by volume (%) 58.0	(mL/kg) 430
	DFT * (µm) 80	Calculated wet-film thickness (µm) 138	VOC-content (g/m ²) ²⁾ 6.3	Consumption (kg/m ²) ³⁾ 0.185	Spreading rate (m ² /kg) 5.4

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



High pressure






Roller/Brush application ⁴⁾

	Airless	High pressure	Roller/Brush application ⁴⁾
Nozzle diameter (mm)	0.38 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 (%)	3 to 10	4 to 10	0 to 1

* DFT = Dry Film Thickness

4) recommended only for small areas

	Pot life at	10 °C	20 °C	30 °C
		6 hours	5 hours	4 hours

Drying/Curing times at 80 µm DFT		Ambient air temperature		
		7 °C	23 °C	30 °C
	dust-free:	≤ 5 hours	≤ 2 hours	≤ 1 hour
	tack-free:	≤ 24 hours	≤ 4 hours	≤ 2.5 hours
	dry to handle:	≤ 72 hours	≤ 16 hours	≤ 12 hours
	overcoating interval:	10 °C after approx. 24 hours	20 °C after approx. 16 hours	30 °C after approx. 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 SB	500 g/l	< 500 g/l

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Required priming coats respectively intermediate coats (see page 3)

- Remove adhesion-reducing substances


	Air and surface temperature ≥ 10 °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 ½ in accordance with EN ISO 12944-4

		Product(s) (other paint systems on request)	NDFT (µm)
	Priming coats	GEHOPON-E87-Zink GEHOPON-E87-Metallgrund GEHOPON-E90R-Metallgrund	80 80 80 to 160
	Intermediate coats	GEHOPON-E87-ZB or GEHOPON-E97R-ZB WIEREGEN-M87-ZB in 1 to 2 working operations	80 to 160
	Top coat	WIEREGEN-M29	80

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

		Product(s) (other paint systems on request)	NDFT (µm)
	Intermediate coats	GEHOPON-E5-Protect in 1 to 2 working operations	80 to 160
		GEHOPON-E97R-ZB GEHOPON-E87-ZB GEHOTEX-W91	80 80 80 to 120
	Top coat	WIEREGEN-M29	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.