

**MAIN PRODUCT
PROPERTIES**

- **Mat, waterborne monolayer based on a acrylic combination for nominal dry film thicknesses of 80 to 100 µm**
- **In combination with GEHOTEX-W90-Metallgrund as a high-grade 1-pack coating system for steel constructions, cranes, hoisting devices etc.**

PRODUCT DATA

GEWITEX-W149, mat



W149-M.... (RAL-colours, other colours on request)



Mixing ratio by weight

Not relevant



Demineralised water

GEWITEX-W149 / Guideline

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume (%)	Solid content by volume (mL/kg)
	1.25	60.0	< 6	49.5	395
	DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m ²)	Spreading rate (m ² /kg)	
	80	162	0.200	5.0	

**COMMENTS ON
PROCESSING**

Recommendation at temperatures of approx. 20 °C



Airmix



Airless



High pressure




Application viscosity (s) (8 mm DIN-cup)	25 to 30	25 to 30	8 to 10
Nozzle diameter (mm)	0.28 to 0.38	0.28 to 0.38	1.5 to 1.8
Material pressure (bar)	100 to 150	100 to 180	-
Atomiser pressure (bar)	1.0 to 1.5	-	3 to 4
DFT * per working operation (µm)	70 to 90	70 to 90	70 to 90
Addition of thinner (%)	0 to 2	0 to 2	3 to 5



Pot life

Not relevant

* DFT = Dry Film Thickness

Drying/Curing times at 80 µm DFT		Ambient air temperature 20 °C
	touch dry:	after 40 to 50 minutes
	tack free:	after 60 to 80 minutes
	ready for overcoating/handling:	after 2 to 3 hours

INSTRUCTIONS FOR APPLICATION

Surface preparation

Steel surfaces and cast iron

- Remove adhesion-reducing substances e. g. cleaning, washing, phosphating
- Blast cleaning Sa 2 ½ according to EN ISO 12944-4, Roughness grade medium (G) according to EN ISO 8503-1

Optional Priming coat (see below)

- Remove adhesion-reducing substances, e. g. cleaning, washing
- Before overcoating of other priming coats compatibility tests are recommended



Air and surface temperature

optimal at 15 to 25 °C, not below 10 °C, not over 40 °C



max. 80 % relative humidity

PAINT SYSTEMS

EXAMPLES

		Product(s) (other paint systems on request)
	Priming coat	GEHOTEX-W90-Metallgrund
	Monolayer / Top coat	GEWITEX-W149

SAFETY MEASURES



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

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