

**MAIN PRODUCT  
PROPERTIES**

- Quick-curing, water-dilutable 1C-AC monolayer for cast steel parts, sheet metal parts, and deep-drawn components
- Air-drying; for industrial use, however, forced drying is recommended, e. g. at 30 to 50 °C

**PRODUCT DATA**

**GEWITEX-W112, flat**



W112-F7021, black grey, approx. RAL 7021  
(other colours on request)




**Mixing ratio by weight**  
Not relevant



Demineralised water  
For cleaning of equipment: V-432

**GEWITEX-W112, flat / Guide values**

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
				(%)	(mL/kg)
	<b>1.20</b>	<b>53.0</b>	<b>&lt; 2</b>	<b>43.0</b>	<b>360</b>
	DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m <sup>2</sup> )	Spreading rate (m <sup>2</sup> /kg)	
	<b>80</b>	<b>185</b>	<b>0.222</b>	<b>4.5</b>	

**COMMENTS ON  
PROCESSING**

Recommendation at  
temperatures  
of approx. 20 °C



**Airless**



**Airmix**



**High  
pressure**




<b>Application viscosity (s)</b> (8 mm DIN-cup)	<b>15 to 20</b>	<b>15 to 20</b>	<b>15 to 20</b>
<b>Nozzle diameter (mm)</b>	<b>0.28 to 0.38</b>	<b>0.28 to 0.38</b>	<b>1.3 to 1.5</b>
<b>Material pressure (bar)</b>	<b>80 to 120</b>	<b>60 to 100</b>	<b>-</b>
<b>Atomiser pressure (bar)</b>	<b>-</b>	<b>0.8 to 1.3</b>	<b>3.0 to 4.0</b>
<b>DFT * per working operation (µm)</b>	<b>80</b>	<b>80</b>	<b>80</b>
<b>Addition of thinner (%)</b>	<b>-</b>	<b>0 to 3</b>	<b>0 to 3</b>



**Pot life**

Not relevant

\* DFT = Dry Film Thickness

Drying/Curing times at 80 µm DFT		Ambient air temperature 20 °C
	touch dry:	after 30 to 40 minutes
	tack free:	after approx. 120 minutes
	ready for overcoating/handling with 1 pack top coats: 2 pack top coats:	after 12 to 16 hours after 48 hours

## INSTRUCTIONS FOR APPLICATION

### Surface preparation

#### Steel surfaces

- 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



#### Air and surface temperature

optimal at 15 to 25 °C, not below 10 °C, not above 40 °C  
Ensure sufficient air movement during drying



Optimal 40 to 60 %, max. 80 % relative humidity  
Dew point distance  $\geq 3$  °C

## PAINT SYSTEMS

### EXAMPLES

		Product(s) (other paint systems on request)
	Priming coat	GEWITEX-W112
	Monolayer / top coat	GEWITEX-W143

## SAFETY MEASURES



The relevant data can be found in the current material safety data sheets, available at [www.geholit-wiemer.de](http://www.geholit-wiemer.de).

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