

**MAIN PRODUCT PROPERTIES**

- **Satin glossy, waterborne monolayer based on alkyd resin for nominal dry film thicknesses of 60 to 80 µm**
- **In combination with GEHOTEX-W90-Metallgrund as high-grade, elastic 1-pack coating system for machines, painting lines etc.**

**PRODUCT DATA**

**GEWITEX-W143, satin glossy**



W143-S... (RAL-colours, other colours on request)




**Mixing ratio by weight**

Not relevant



Demineralised water

**GEWITEX-W143 / Guideline**

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
				(%)	(mL/kg)
	<b>1.20</b>	<b>54.0</b>	<b>&lt; 3</b>	<b>44.0</b>	<b>370</b>
	DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m <sup>2</sup> )	Spreading rate (m <sup>2</sup> /kg)	
	<b>60</b>	<b>135</b>	<b>0.165</b>	<b>6.1</b>	

**COMMENTS ON PROCESSING**

**Recommendation at temperatures of approx. 20 °C**



**Airmix**



**Airless <sup>1)</sup>**



**High pressure**

<b>Application viscosity (s)</b> (8 mm DIN-cup)	<b>25 to 30</b>	<b>25 to 30</b>	<b>8 to 15</b>
<b>Nozzle diameter (mm)</b>	<b>0.33 to 0.38</b>	<b>0.33 to 0.38</b>	<b>1.3 to 1.5</b>
<b>Material pressure (bar)</b>	<b>60 to 100</b>	<b>80 to 120</b>	<b>-</b>
<b>Atomiser pressure (bar)</b>	<b>0.8 to 1.3</b>	<b>-</b>	<b>3.0 to 4.0</b>
<b>DFT * per working operation (µm)</b>	<b>60 to 80</b>	<b>60 to 80</b>	<b>60 to 80</b>
<b>Addition of thinner (%)</b>	<b>0</b>	<b>0</b>	<b>3 to 5</b>




<sup>1)</sup> only recommended partly



**Pot life**

Not relevant

\* DFT = Dry Film Thickness

Drying/Curing times at 60 µm DFT		Ambient air temperature 20 °C
	touch dry:	after approx. 60 minutes
	tack free:	after approx. 2 hours
	ready for overcoating/handling:	after approx. 8 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 Primer (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	GEWITEX-W90-Metallgrund
	Monolayer / Top coat	GEWITEX-W143

## SAFETY MEASURES



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

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