

MAIN PRODUCT PROPERTIES

- Flat, waterborne monolayer based on alkyd resin for nominal dry film thicknesses of 80 to 100 µm
- In combination with optional GEWITEX-W123-Metallgrund as a high-grade, elastic 1-pack coating system for machines, plants etc.

PRODUCT DATA

GEWITEX-W143, flat



W143T-F.... (RAL colours, other colours on request)



Mixing ratio by weight

Not relevant



Demineralised water

GEWITEX-W143T / Guide values

	Density (g/mL)	Solid content (weight %)	VOC content (weight %)	Solid content by volume (%)	Solid content by volume (mL/kg)
	1.30	58.5	< 3	46.0	355
	DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m ²)	Spreading rate (m ² /kg)	
	80	170	0.225	4.4	

PROCESSING INSTRUCTIONS

Recommendation at temperatures of approx. 20 °C



Airmix



Airless ¹⁾



High pressure

Application viscosity (s) (8 mm DIN-cup)	25 to 30	25 to 30	10 to 15
Nozzle diameter (mm)	0.33 to 0.38	0.33 to 0.38	1.3 to 1.5
Material pressure (bar)	150 to 250	200 to 300	-
Atomiser pressure (bar)	2.5 to 3.5	-	3.0 to 4.0
DFT * per working operation (µm)	80 to 100	80 to 100	80 to 100
Addition of thinner (%)	0	0	3 to 5




¹⁾ only conditionally recommended



Pot life

Not relevant

* DFT = Dry Film Thickness

Drying/Curing times at 80 µm DFT		Ambient air temperature 20 °C
	touch dry:	after approx. 90 minutes
	tack free:	after approx. 3 hours
	ready for overcoating/handling:	after approx. 12 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 above 40 °C



max. 80 % relative humidity

PAINT SYSTEMS

EXAMPLES

	Product(s) (other paint systems on request)
 Optional priming coat	GEWITEX-W123-Metallgrund
Monolayer / Top coat	GEWITEX-W143T

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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