




MAIN PRODUCT- PROPERTIES

- Excellent adhesion on steel, cast iron, galvanised steel and aluminium
- High compatibility with a multitude of commercial 1-pack and 2-pack topcoats
- High elasticity

PRODUCT DATA

GEWITEX-W144-Metallgrund

	W144-115 Light ivory approx. RAL 1015 (other colours on request)
	Mixing ratio by weight Not relevant
	Demineralised water

GEWITEX-W144-Metallgrund / Guideline

	Density (g/mL) 1.30	Solid content (weight %) 60.0	VOC-content (weight %) < 5	Solid content by volume (%) (mL/kg) 48.0 370	
	DFT * (µm) 60	Calculated wet-film thickness (µm) 125	Consumption (kg/m²) 0.160	Spreading rate (m²/kg) 6.3	

COMMENTS ON PROCESSING

Recommendation at
temperatures
of approx. 20 °C



Airmix



**High
pressure**



**Roller/Brush
application**




Application viscosity (s) (6 mm DIN-cup)	15 to 20	10 to 15	-
Nozzle diameter (mm)	0.28 to 0.38	1.5 to 1.8	-
Material pressure (bar)	60 to 100	-	-
Atomiser pressure (bar)	0.8 to 1.3	3.0 to 4.0	-
DFT * per working operation (µm)	60 to 80	60 to 80	-
Addition of thinner (%)	0	0 to 3	-



Pot life

Not relevant

* DFT = Dry Film Thickness

Drying/Curing times at 60 µm DFT		Ambient air temperature 20 °C
	touch dry:	after 30 to 40 minutes
	tack free:	after approx. 2 hours
	ready for overcoating/handling: recoatable with 1C-paints: recoatable with 2C-paints:	after approx. 4 hours after 6 to 8 hours after approx. 7 days

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

Hot-dip-galvanised steel surfaces and aluminium/cast aluminium

- Remove adhesion-reducing substances, e. g. cleaning, washing
- At natural weathering or condensation:
Sweep blast-cleaning according to EN ISO 12944-4.
After sweep blast-cleaning the surface shall have a uniform dull appearance.
- Chemical conversion layer (chromate, chromate free, phosphating)



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-W144-Metallgrund
	Monolayer / Top coat	GEWITEX-W26 or GEWITEX-W143 WIEREGEN-M165R WIEREGEN-D54R or WIEREGEN-D154R

SAFETY MEASURES



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

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