

MAIN PRODUCT-PROPERTIES

- In coating systems with GEHOPON-E41A-Metallgrund as high-grade electrical conductive coating system according to TRBS 2153
- The requirements for electrical surface resistances according to EN 60079-0, chapter 26.13 are met in the system
- Ground conductivity according to EN 1081: $R_2=10^4$ to $10^6 \Omega$
- Application areas: ATEX and special machines for avoiding electrostatic charging

PRODUCT DATA

WIEREGEN-M42A, mat



M42A-M... (RAL-colours, other colours on request)



Mixing ratio by weight

10:1 with curing agent DX-10



Thinner V-562

WIEREGEN-M42A / Guideline

Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
			(%)	(mL/kg)
1.40	73.5	26.5	57.0	410
DFT * (μ m)	Calculated wet-film thickness (μ m)	Consumption (kg/m ²)	Spreading rate (m ² /kg)	
60	105	0.147	6.8	

COMMENTS ON PROCESSING

Recommendation at temperatures of approx. 20 °C



Airmix



High pressure



Roller/Brush application




Application viscosity (s) (8 mm DIN-cup)	6 to 8	6 to 8	8 to 10
Nozzle diameter (mm)	0.33 to 0.43	1.5 to 2.0	-
Material pressure (bar)	150 to 200	-	-
Atomiser pressure (bar)	1.5 to 2.5	3.0 to 4.0	-
DFT * per working operation (μm)	60 to 80	60 to 80	40 to 60
Addition of thinner (%)	5 to 10	5 to 10	0 to 2



Pot life

5 to 6 hours (relating to 20 °C)

* DFT = Dry Film Thickness

Drying/Curing times at 60 µm DFT	Ambient air temperature 20 °C
 touch dry:	after 30 minutes
 tack free:	after approx. 4 hours
 ready for overcoating/handling:	after approx. 14 hours

INSTRUCTIONS FOR APPLICATION

Surface preparation

Required conductive Priming coats (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 5 °C, not over 40 °C



max. 80 % relative humidity

PAINT SYSTEMS

EXAMPLES

		Product(s) (other paint systems on request)
	Priming coats	WIEREGEN-M41A-Leitlack (for plastic material) GEHOPON-E41A-Metallgrund
	Top coat	WIEREGEN-M42A

SAFETY MEASURES



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

The statements made here are based on the present state of our knowledge. We do not assume liability for damages resulting from the use of the material or from any advice given by our employees. In this respect, any advice given by our employees has to be seen as not binding. The processor is responsible for the supervision or construction, the maintaining of process guidelines and the observation of the established rules of techniques, even if our employees are present at the time our material is being applied. This information is subject to modifications due to technical improvements. The latest edition of this information replaces all previous issues.