

MAIN PRODUCT PROPERTIES

- 2-pack EP primer, matt, electrically conductive
- In combination with the 2-pack PUR top coat WIEREGEN-M930 as a conductive coating for use in potentially explosive areas
- Surface resistance < 20 kΩ according to EN 61340-2-3: 2017
- Electrical resistance < 65 kΩ according to EN 61340-2-3: 2000
- Evaluation protocol ExTL-5, PTB-EP-2025-01 by PTB Braunschweig available

PRODUCT DATA

GEHOPON-E929-Metallgrund, matt, conductive RWE Code No.



E929-721 Black grey	approx. RAL 7021	GB-29-D-7021
E929-724 Graphite grey	approx. RAL 7024	GB-29-D-7024





Mixing ratio by weight
5.3:1 with curing agent EX-929



Thinner V-538

GEHOPON-E929-Metallgrund / Guide values

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
	1.25	60.0	40.0	(%)	(mL/kg)
				43.0	345
	DFT * (μm)	Calculated wet-film thickness (μm)	Consumption (kg/m²)	Spreading rate	
	80	183	0.235	(m²/kg)	
				4.3	

COMMENTS ON PROCESSING

Recommendation at
temperatures
of approx. 20 °C



Airmix



**High
pressure**



**Roller/Brush
application**

	Airmix	High pressure	Roller/Brush application
Application viscosity (s) (8 mm DIN-cup)	10 to 15	6 to 8	10 to 20
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 (%)	2 to 5	10 to 15	0 to 5

* DFT = Dry Film Thickness



Pot life

6 to 8 hours (at 20 to 25 °C)

Drying/Curing times at 60 µm DFT

Ambient air temperature 20 °C



touch dry:

after approx. 30 minutes



tack free:

after 4 to 5 hours



ready for overcoating/handling:

after 12 to 16 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

Hot-dip galvanised steel surfaces and aluminium / cast aluminium

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



Air and surface temperatures

optimal at 15 to 25 °C, not below 5 °C, not above 40 °C



max. 80 % relative humidity

PAINT SYSTEMS

EXAMPLES



1. Priming coat

Product(s)

(other paint systems on request)

GEHOPON-E929-Metallgrund, E929-721

**Optional
2. Priming coat**

GEHOPON-E929-Metallgrund, E929-724

Top coat

WIEREGEN-M930

SAFETY MEASURES



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