

MAIN PRODUCT PROPERTIES

- Listing and regular external control according to TL/TP-ING, Blatt 100
- High-grade 2-pack EP high-solid intermediate coat for corrosion protection of steel constructions and steel buildings
- Excellent chemical and mechanical resistance
- Nominal dry film thicknesses of 160 µm by spraying, 60 - 80 µm by roller / brush application

PRODUCT DATA

GEHOPON-E100R-ZB



Code No. 100.2.1.

E100R-7602	Grey	DB 702	(other colours on request)
E100R-7603	Grey	DB 703	
E100R-6601	Green	DB 601	
E100R-8812	Red brown	approx. RAL 8012	



Mixing ratio by weight

6:1 with curing agent EX-70



Thinner V-538

GEHOPON-E100R-ZB / Guide values ¹⁾

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume (%) (mL/kg)	
	1.65	91.0	9.0	83.0	500
	DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m ²) ²⁾	Consumption (kg/m ²) ³⁾	Spreading rate (m ² /kg)
	160	192	1.8	0.320	3.1

1) Guide values averaged data, slight deviations are possible depending on the colour

2) Based on consumption in g/m² at DFT 10 µm

3) Theoretical consumption related on a smooth surface. Dependent on surface roughness and processing losses, different consumption data will be achieved in practice.

COMMENTS ON PROCESSING

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



Airless



Airmix



**Roller/Brush
application ⁴⁾**

	Airless	Airmix	Roller/Brush application ⁴⁾
Nozzle diameter (mm)	0.38 to 0.74	0.34 to 0.69	-
Material pressure (bar)	200 to 400	100 to 150	-
Atomiser pressure (bar)	-	2.0 to 2.5	-
DFT * per working operation (µm)	160 to 200	160 to 200	60 to 80
Addition of thinner (%)	0 to 2	0 to 2	0 to 2

* DFT = Dry Film Thickness

4) recommended only for small areas,
formation of a product-specific surface structure is possible



Pot life at

5 °C

4 hours

15 °C

2 hours

30 °C

1 hour

Drying/curing times at 160 µm DFT

Ambient air temperature

5 °C

after
approx.
3 hours

15 °C

after
approx.
1.5 hours

30 °C

after
approx.
1 hour



dust-free:



tack-free:

after
approx.
10 hours

after
approx.
6 hours

after
approx.
4 hours



overcoating interval /
dry to handle:

after
approx.
12 hours

after
approx.
8 hours

after
approx.
5 hours

Notes referring to Directive 2004/42/EC "Decopaint-Directive"

Subcategory as referred
to in Annex IIA

VOC limit values
(Phase II from 2010)

Max. VOC content of the product
in its ready-for-use condition
(including the max. amount of diluents as
given in "Application methods")

J ("Two-pack reactive
performance coatings")
Type Lb

500 g/l

< 500 g/l

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Existing primer coats or old coats

- Remove adhesion-reducing substances, e. g. cleaning, washing



Air and surface temperatures
≥ 5 °C




relative humidity ≤ 80 %
dew point distance ≥ 3 °C

PAINT SYSTEMS

EXAMPLES

Substrate: steel, blast-cleaned in surface preparation grade Sa 2 ½ in accordance with EN ISO 12944-4

		Product(s) (other paint systems on request)	NDFT (µm)
	Priming coat	GEHOPON-E100R-Zink	80
	1. Intermediate coat	GEHOPON-E100R-ZB	160
	2. Intermediate coat	WIEREGEN-M100R-ZB	80
	Top coats	WIEREGEN-M100 WIEREGEN-M101R	80
	Optional clear coat	WIEREGEN-M100-Klarlack	30

Several coating systems for the corrosivity categories C3 to CX according to EN ISO 12944-5 are possible. Please ask for our advice for your special application.

SAFETY MEASURES



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