GEHOPON-E100-Korrogrund

2C-EP-HS Priming coat

MAIN PRODUCT PROPERTIES

- **Listing and regular external control according to TL/TP-ING, Blatt 100**
- **High-grade, multi-purpose, surface tolerant 2-pack EP HS priming coat**
- **Excellent adhesion on miscellaneous surfaces, especially aluminium, stainless steel, and hot-dip galvanised steel**
- **Excellent for the renovation of steel buildings and mixed constructions, also on manually derusted steel and old coatings**
- **Nominal dry film thicknesses of 100 to 160 µm by spraying, of approx. 80 µm by brush application or roller coating**

PRODUCT DATA

GEHOPON-E100-Korrogrund

Code No. 100.1.2
E100-102 Sand yellow approx. RAL 1002 (other colours on request)
E100-812 Red brown approx. RAL 8012

Mixing ratio by weight
8:1 with curing agent EX-40

Thinner V-568

GEHOPON-E100-Korrogrund / Guide values [1)]

Density (g/mL)	Solid content (weight %)	VOC content (weight %)	Solid content by volume (%)	Solid content by volume (mL/kg)
1.55	**79**	**21**	**64**	**425**

DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m²) [2)]	Consumption (kg/m²) [3)]	Spreading rate (m²/kg)
100	**150**	**5**	**0.235**	**4.3**
160	**240**	**5**	**0.375**	**2.7**

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)]
Nozzle diameter (mm)	**0.38 to 0.68**	**0.38 to 0.53**	**-**
Material pressure (bar)	**200 to 350**	**150 to 250**	**-**
Atomiser pressure (bar)	**-**	**3.0 to 5.0**	**-**
DFT * per working operation (µm)	**80 to 160**	**80 to 160**	**60 to 80**
Addition of thinner (%)	**2 to 4**	**2 to 4**	**-**

* DFT = Dry Film Thickness
4) recommended only for smaller areas, formation of a product-specific surface structure is possible

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COMMENTS ON PROCESSING

	10 °C	**15 °C**	**30 °C**
Pot life at	6 hours	4 hours	3 hours

Drying/Curing times at 160 µm DFT	**Ambient air temperature**		
	10°C	**15°C**	**30°C**
dust-free:	after 4 hours	after 2 hours	after 1 hour
tack-free:	after 24 to 48 hours	after 12 to 16 hours	after 6 to 8 hours
overcoating interval / dry to handle:	after 3 days	after 1 day	after 16 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

Steel surfaces

- Blast-cleaning Sa 2 ½ according to EN ISO 12944-4, alternatively
- Mechanical or manual derusting in preparation grade St 2 according to EN ISO 12944-4

Hot-dip galvanised steel surfaces

- Freshly hot-dip galvanised surfaces can be coated directly with GEHOPON-E100-Korrogrund. Dry, clean surfaces without visible zinc reaction products (white rust, etc.) are required.
- In the case of special loads for inaccessible areas and in the presence of visible zinc reaction products: Sweep-blasting in accordance with EN ISO 12944-4.
  The surface must have a uniformly dull appearance after surface preparation.

Existing primer coats or old coats

- Remove adhesion-reducing substances, e. g. cleaning, washing and, if applicable
- Mechanical or manual derusting in preparation grade PMa resp. PSt 2 according to EN ISO 12944-4
- Additional spotting, if applicable

Aluminium and stainless steel

- Remove adhesion-reducing substances, e. g. cleaning, washing, chemical conversion layers, alternatively
- Sweep-blasting in accordance with EN ISO 12944-4
  The surface must have a uniformly dull appearance after surface preparation.
- Before serial coatings, adhesion tests are recommended.

Air and surface temperatures
≥ 10 °C

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

PAINT SYSTEMS

EXAMPLES

Substrate: **steel, blast-cleaned in surface preparation grade Sa 2 ½ resp. mechanical or manual derusting PMa, St2 in accordance with EN ISO 12944-4**

	Product(s) (other paint systems on request)	**NDFT (µm)**
Priming coat	GEHOPON-E100-Korrogrund	80
Intermediate coats	GEHOPON-E100R-ZB	2 x 140
Top coats	WIEREGEN-M100 WIEREGEN-M101R	80

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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