GEHOPON-E105R-ZB

2C-EP Intermediate, quick curing

MAIN PRODUCT PROPERTIES

- **Listing and regular external control according to TL/TP-ING, Blatt 100**
- **High-grade, quick curing, multi-purpose 2-pack EP intermediate coat with very high yields for steel buildings and steel constructions**
- **Nominal dry film thicknesses of 80 to 160 µm by spraying**
- **With addition of approx. 20 % thinner as a sealer for spray-galvanised steel structures in accordance with EN ISO 2063**

PRODUCT DATA

GEHOPON-E105R-ZB	**MIO colours**
<u>Code No. 100.2.4 / 100.2.5</u> E105R-7602 Grey DB 702 E105R-7603 Grey DB 703 E105R-6601 Green DB 601	(other colours on request)
Mixing ratio by weight 13:1 with curing agent EX-55	
Thinner V-538	

GEHOPON-E105R-ZB — **Guide values MIO colours** [1]

Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume (%)	Solid content by volume (mL/kg)
1.45	**80**	**20**	**66.5**	**460**

DFT * (µm)	Calculated wet-film thickness (µm)	VOC-content (g/m²) [2]	Consumption (kg/m²) [3]	Spreading rate (m²/kg)
160	**245**	**4.4**	**0.350**	**2.9**

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**	**High pressure**	**Roller/Brush application**
Nozzle diameter (mm)	**0.33 to 0.58**	**1.5 to 2.0**	**-**
Material pressure (bar)	**150 to 250**	**-**	**-**
Atomiser pressure (bar)	**-**	**3.0 to 4.0**	**-**
DFT * per working operation (µm) **- as a sealer** **- as an intermediate coat**	 **30** **160**	 **30** **160**	 **-** **60 to 80**
Addition of thinner (%) **- as a sealer** **- as an intermediate coat**	 **20 to 25** **0 to 5**	 **20 to 25** **4 to 7**	 **-** **0 to 1**

* DFT = Dry Film Thickness

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	5 °C	15 °C	30 °C
Pot life at	6 hours	4 hours	3 hours

Drying/Curing times at 160 µm DFT	Ambient air temperature 5 °C	15 °C	30 °C
dust-free:	after ≤ 5 hours	after ≤ 2.5 hours	after ca. 60 minutes
tack-free:	after ≤ 8 hours	after ≤ 2.5 hours	after ≤ 3 hours
dry to handle:	after ≤ 10 hours	after ≤ 6 hours	after ≤ 5 hours
overcoating interval:	after ≤ 10 hours	after ≤ 6 hours	after ≤ 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

Spray-galvanised steel surfaces

- Are to be provided with a pore-filling coating (sealer) directly after production

Air and surface temperatures
≥ 0 °C

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

Further details for processing and execution are described in the relevant applicable instructions.

PAINT SYSTEMS

EXAMPLES

Substrate: Steel with spray galvanisation in accordance with EN ISO 2063

		Product(s) (other paint systems on request)	NDFT (µm)
	**Sealer**	GEHOPON-E105R-ZB	30
	Intermediate coat	GEHOPON-E105R-ZB	160
	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-wiemer.de.

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