

MAIN PRODUCT PROPERTIES	Blatt High- coat cons Nomi With	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	GEHOP	ON-E105R-ZB	MIO colours	
		Code No. 100.2.4 / 100.2.5 E105R-7602 Grey DB 702 E105R-7603 Grey DB 703 E105R-6601 Green DB 601	(other colours on request)	
	A:B	Mixing ratio by weight 13:1 with curing agent EX-55		
		Thinner V-538		

GEHOPON-E105R-ZB

Recommendation at

7 8 9 ÷ 4 5 6 • 1 2 3 + 0 , =	Density (g/mL) 1.45	Solid content (weight %) 80	VOC-content (weight %) 20	Solid conte (%) 66.5	nt by volume (mL/kg) 460
	DFT * (µm) 160	Calculated wet-film thickness (µm) 245	VOC-content (g/m ²) ²⁾ 4.4	Consumption (kg/m ²) ³⁾ 0.350	Spreading rate (m²/kg) 2.9

Guide values MIO colours ¹⁾

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

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

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

temperatures of approx. 20 °C	
Nozzle diameter (mm)	(

	7	e / /
Airless	High pressure	Roller/Brush application
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

D-76676 Graben-Neudorf D-47249 Duisburg D-01683 Nossen

Sofienstraße 36 Obere Kaiserswerther Straße 18 Gewerbestraße 8 Phone +49 7255 99-0 Phone +49 203 99707-0 Phone +49 35242 6565-0 Fax +49 7255 99-123 Fax +49 203 99707-10 Fax +49 35242 6565-29



TECHNICAL INFORMATION Page 2/3 – March 2025 / Vers. 2 Corrosion Protection

GEHOPON-E105R-ZB

2C-EP Intermediate, quick curing

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

Drying/Curing times at 160 µm DFT		Ambient air temperature		
		5 °C	15 °C	30 °C
StStStS	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"

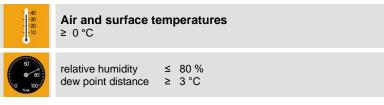
Subcategory as referred to in Annex IIA	VOC limit values (Phase II from 2010)	Max. VOC content of the product in its ready-for-use condition (including the max. amount of diluents as given in "Application methods")
J ("Two-pack reactive performance coatings") Type Lb	500 g/l	< 500 g/l

INSTRUCTIONS FOR APPLICATION

Surface preparation

Spray-galvanised steel surfaces

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



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

Sofienstraße 36 Obere Kaiserswerther Straße 18 Gewerbestraße 8 Phone +49 7255 99-0 Phone +49 203 99707-0 Phone +49 35242 6565-0 Fax +49 7255 99-123 Fax +49 203 99707-10 Fax +49 35242 6565-29



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.

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.

D-76676 Graben-Neudorf D-47249 Duisburg D-01683 Nossen

Sofienstraße 36 Obere Kaiserswerther Straße 18 Gewerbestraße 8

Phone +49 7255 99-0 Phone +49 203 99707-0 Phone +49 35242 6565-0 Fax +49 7255 99-123 Fax +49 203 99707-10 Fax +49 35242 6565-29