

Page 1 of 3 04/2016/07

TECHNICAL INFORMATION

GEHOPON-E35R-Zink

2C-EP Zinc rich Primer, quick curing for steel surfaces

FIELDS OF APPLICATION	High-grade corrosion protection for blast-cleaned steel surfaces in ste girder constructions, construction of containers etc.			
		der suitable top coats. For certain steel girder -E35R-Zink can be applied as a single layer o coats.		
PRODUCT PROPERTIES	GEHOPON-E35R-Zink is a highly pigmented zinc dust primer based on epoxy resin. GEHOPON-E35R-Zink shows excellent adhesion to steel surfaces as well as temperature resistance and excellent corrosion protection capacity.			
	be used at low temperatur GEHOPON-E35R-Zink is	suitable for a multitude of different top coats. no dust primers, the top coatings must be		
	Interesting information about zinc dust primers can be found in "Merkblatt Nr. 4" published by the Bundesausschuss Farb Sachwertschutz, Frankfurt.			
Capacities	After curing, GEHOPON-E35R-Zink is resistant to oils and greases, largely resistant to solvents as well as resistant to abrasion.			
	As a result of its good resistance to solvents, GEHOPON-E35R-Zink is not only used under two-pack paint systems but also under coating materials using aggressive solvents (e.g. PVC top coats).			
	Temperature resistance:	160 °C permanently 200 °C short time resistance (dry heat each)		
PRODUCT DATA	GEHOPON-E35R-Zink	Curing agent		
Product number	E35R-790	EX-80		
Colour	Grey			
Mixing ratio	15 parts by weight	1 part by weight		
Form of delivery	Ready for use after mixture with curing agent			
Shelf life	At least 12 months in original cans at normal temperature			
Suitable thinner	V-538			



Primer coating

Intermediate

Top coating

coating(s)

GEHOPON-E35R-Zink

NDFT (µm)

80

80

80

Theoretical parameters	GEHOPO	N-E35R-Zink	, E35R-7	90			
·····	Density	Solid cor	itent	VOC-c	ontent	Solid content by volume	
	(g/mL)	(weight	%)	(weight %)	per 10 μm DFT* (g/m²)	(%)	(mL/kg)
	2.5	85		15	6.6	57	223
	DFT (µm)	Calculated v thickness			Spreading rate (m²/kg)		
	80	141	(µ)	0.358		2.79	
	 DFT: Dry film thickness All values named are approximate values and relevant for the quality (colour). The values may differ slightly for other colours. * baseline for calculation: consumption in g/m² at DFT 10 μm 						
Notes referring to Directive 2004/42/EC	Subcategory as referred			VOC limit values Phase II from 201	0) (including the	Max. VOC content of the produ in its ready for use condition (including the max. amount of diluents a given in "Application methods")	
"Decopaint-Directive			500 g/l	given in	< 500 g/l		
Coating systems	Substrate)	Steel				
	Surface p	reparation	Blast-cleaning in preparation grade Sa 2 ½ in accordance with EN ISO 12944-4			nce with	

Product

GEHOPON-E35R-Zink

GEHOPON-E97R-ZB or

The coating system/s named are examples proved in practice which usually can be modified. The choice of coating materials as well as their number and film thickness depends on the stress to be expected,

WIEREGEN-M87-ZB

WIEREGEN-M87

existing specifications and the methods of application.

■ INSTRUCTIONS FOR APPLICATION

Surface preparation	Steel surfaces: Blast-cleaning in accordance with EN ISO 12944-4, surface preparation grade Sa 2 ½. G-grade medium roughness in accordance with EN ISO 8503-1
Air and surface temperature	Optimal results at temperatures of 15 to 25 °C, not below 0 °C
Relative humidity	Max. 80 % relative humidity
	The surface temperature of the parts to be coated must be at least 3 °C above the dew point of the surrounding air throughout the application. (see basic specification for corrosion protection EN ISO 12944-7)



Page 3 of 3 04/2016/07

Comments on processing

Mixing

Mix with the enclosed quantity of curing agent, preferably with a mechanical mixer. Material must be stirred again after 15 minutes. Then the mixture is ready for use.

Application methods	Means of application / paramet	ters recommended nom dry film thickness working operatio	per Addition of thipper V-538		
	Airless spraying Nozzle diameter: 0.38 to 0.6 Material pressure: 150 to 300		up to 2 %		
	High pressure/air spraying Nozzle diameter 1.5 to 2.0 r Pressure: 4 to 5 bar	nm 60 to 80 μm	1 to 5 %		
	Brush application (depending on temperature)	40 to 60 μm	up to 1 %		
Remarks	 In case of roller coating / brush application several working operations can be necessary to obtain a uniform layer thickness and appearance. Among other things this depends on the colour, the processing procedures and equipment, the ambient conditions and the geometry of the parts to be coated. The values above are related to a temperature of approximately 20 °C and are recommendations respectively approximate values. In practice it may be necessary to make modifications. 				
Cleaning of equipment	With thinner V-538				
Pot life	4 to 6 hours (depending on temperature)				
Drying times	At a DFT of 80 μm and an air and object temperature of				
	20 °C	10 °C	5 °C		
Dry to touch (TG 1): Tack free (TG 3): Ready for over-coating (TG 6):	Approx. 15 minutes Approx. 30 minutes Approx. 1.5 hours	Approx. 20 minutes Approx. 45 minutes Approx. 2 hours	Approx. 25 minutes Approx. 1 hour Approx. 2.5 hours		
	(TG = degree of drying in accordance with DIN 53150)				
SAFETY MEASURES	The curing agent produces an alkaline reaction on skin and mucous membrane (eyes). Soiling must be avoided. In case of direct contact clean thoroughly with water and soap. The relevant data concerning safety measures can be found in the material safety data sheet of this product. The valid issue of the material safety data sheet is available from our				

The valid issue of the material safety data sheet is available from our website 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 of 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-76670 Graben-Neudorf	PO-Box 1120	D- 76676 Graben-Neudorf	Sofienstr. 36	Tel. +49 7255 99-0	Fax +49 7255 99-123
D-47005 Duisburg	PO-Box 100529	D- 47249 Duisburg	Obere Kaiserswerther Str. 18	Tel. +49 203 99707-0	Fax +49 203 99707-10