

TECHNICAL INFORMATION

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GEHOPON-E97R-Zink

2C-EP-Zinc rich Primer, quick curing

MAIN PRODUCT-PROPERTIES

- In accordance with TL/TP-KOR-Stahlbauten, Blatt 97 and is subject to regular external control
- High-grade, quick curing 2-pack EP zinc rich Priming coat for steel buildings and steel constructions
- Nominal dry film thicknesses of 60 to 80 μm by spraying
- Maximum dry film thickness 150 μm
- Temperature resistance up to 160 °C long term stress, 200 °C short term stress

PRODUCT DATA

GEHOPON-E97R-Zink



E97R-390 Red grey code number 697.03



Mixing ratio by weight

16:1 with curing agent EX-80



Thinner V-538

GEHOPON-E97R-Zink / Guideline

| 7 | 8 | 9 | ÷ |
|---|---|---|---|
| 4 | 5 | 6 | X |
| 1 | 2 | 3 | Н |
| (|) | | Ē |

Density (g/mL) 2.5

DFT *

(µm)

80

(weight %) **85.0** Calculated wet-film thickness (μm)

143

Solid content

VOC-content (weight %) 15.0

15.0 56.0

VOC-content (g/m²) 1) Consumption (kg/m²) 2)

6.7 0.350

225
Spreading rate (m²/kg)

2.85

(mL/kg)

Solid content by volume

(%)

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







| Αi | rl | es |
|----|----|----|
|----|----|----|

High pressure

Roller/Brush application 3)

| | Alliess | pressure | application 3) |
|----------------------------------|--------------|------------|----------------|
| Nozzle diameter (mm) | 0.38 to 0.63 | 1.5 to 2.0 | - |
| Material pressure (bar) | 150 to 300 | - | - |
| Atomiser pressure (bar) | - | 4.0 to 5.0 | - |
| DFT * per working operation (μm) | 60 to 80 | 60 to 80 | 40 to 60 |
| Addition of thinner (%) | 0 to 2 | 0 to 5 | 0 to 1 |
| | 5 °C | 15 °C | 30 °C |
| Pot life at | 3 0 | 13 0 | 30 0 |
| * | 6 hours | 4 hours | 3 hours |

³⁾ recommended only fo smaller areas* DFT = Dry Film Thickness

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| Drying/Curing times at 80 μm DFT | Ambient air temperature | | |
|--------------------------------------|-------------------------|--------------------|--------------------------------|
| Drying/ouring times at 50 km Dr 1 | 5 °C | 15 °C | 30 °C |
| dust-free: | after ≤ 2 hours | after ≤ 1 hour | after approx. 30 minutes |
| tack-free: | after ≤ 3 hours | after ≤ 2 hours | after ≤ 45 minutes |
| overcoating interval / dry to handle | after ≤ 5 hours | after ≤ 3 hours | after ≤ 1 hour |

| Notes referring to Directive 2004/42/EC "Decopaint-Directive" | | | | |
|---|----------------------|--|--|--|
| Subcategory as referred to in Annex IIA | VOC limit values | Max. VOC content of the product | | |
| | (Phase II from 2010) | in its ready for use condition (including the max. amount of diluents as given in "Application methods") | | |
| J ("Two-pack reactive performance coatings") Type SB | 500 g/l | < 500 g/l | | |

INSTRUCTIONS FOR APPLICATION

Surface preparation

steel surfaces

Blast-cleaning Sa 2 ½ according to EN ISO 12944-4,
 Roughness grade medium (G) according to EN ISO 8503-1



Air and surface temperature

≥ 0 °C



relative humidity $\leq 80 \%$ dew point distance $\geq 3 \degree C$

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

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PAINT SYSTEMS EXAMPLES

Substrate: steel, blast-cleaning 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-E97R-Zink | 70 to 80 |
| | Intermediate coats | GEHOPON-E97R-ZB GEHOPON-E97RX-ZB WIEREGEN-M97R-ZB WIEREGEN-M97RX-ZB in 1 or 2 working operations | 80 to 160 |
| | Top coats | WIEREGEN-M97R WIEREGEN-M197R | 80 |

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.

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This information is subject to modifications due to technical improvements. The latest edition of this information replaces all previous issues.