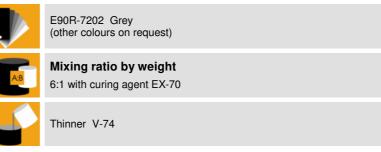
| • | |
|-----------------------------------|---|
| Geholit HWIEMER | • |
| LACK- UND KUNSTSTOFF- CHEMIE GMBH | |

| MAIN PRODUCT- PROPERTIES | High-grade high-solid Intermediate coat based on epoxy resin for corrosion protection of steel constructions and -buildings In coating systems with suitable priming- and top coatings applicable for corrosivity categories C4 to CX Excellent chemical and mechanical resistance Nominal dry film thicknesses of 160 to 200 um by spraying |
|-----------------------------|---|
| | Nominal dry film thicknesses of 160 to 200 µm by spraying |

PRODUCT DATA

GEHOPON-E90R-ZB



GEHOPON-E90R-ZB / Guideline ¹⁾

| 789 | Density (g/mL) 1.7 | Solid content (weight %) 92.0 | VOC-content (weight %) 8.0 | Solid conte (%) 85.0 | nt by volume (mL/kg) 500 |
|----------------------------------|---------------------------------|--|--|-------------------------------------|---------------------------------------|
| 4 5 6 × - 1 2 3 + 0 , = | DFT * (μm) | Calculated wet-film thickness (µm) | VOC-content (g/m ²) ²⁾ | Consumption (kg/m ²) 3) | Spreading rate (m²/kg) |
| | 80 | 95 | 1.6 | 0.160 | 6.2 |
| | 160 | 190 | 1.6 | 0.320 | 3.1 |

Guideline averaged data, slight deviation are possible depending on the colour
 Based on consumption in g/m² at DFT 10 μm
 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 0.74 | 0.34 to 0.69 | - |
| Material pressure (bar) | 200 to 400 | 100 to 150 | - |
| Atomiser pressure (bar) | - | 2.0 to 2.5 | - |
| DFT * per working operation (µm) | 160 to 200 | 160 to 200 | 60 to 80 |
| Addition of thinner (%) | 0 to 2 | 0 to 2 | 0 to 2 |

* DFT = Dry Film Thickness

4) recommended only for small areas,

formation of a product-specific surface structure is possible

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GEHOPON-E90R-ZB

2C-EP-HS Intermediate, quick curing

| Pot life at | 5 °C | 15 °C | 30 °C |
|-------------|---------|---------|--------|
| | 4 hours | 2 hours | 1 hour |

| Drying/Curing times at 160 μm DFT | | Ambient air temperature | | |
|-----------------------------------|--------------------------------------|------------------------------|-------------------------------|-----------------------------|
| | | 5 °C | 15 °C | 30 °C |
| Stytyty | dust-free: | after approx. 3 hours | after approx. 1.5 hours | after approx. 1 hour |
| | tack-free: | after approx. 10 hours | after approx. 6 hours | after approx. 4 hours |
| ~ | overcoating interval / dry to handle | after approx. 12 hours | after approx. 8 hours | after approx. 5 hours |

Notes referring to Directive 2004/42/EC "Decopaint-Directive"

| Subcategory as referred | VOC limit values | Max. VOC content of the product in its ready for use condition | |
|--|----------------------|--|--|
| to in Annex IIA | (Phase II from 2010) | (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

Hot-dip galvanised steel surfaces

- Remove adhesion-reducing substances and zinc reaction products by suitable methods
- At natural weathering or expected condensation stress of coated, hot-dip galvanised steel parts: Sweep blasting in accordance with EN ISO 12944-4. The surface must have a uniform dull appearance after surface preparation.

Existing primer coats - or old coats

Remove adhesion-reducing substances, e. g. cleaning, washing



Air and surface temperature $\geq 5 \,^{\circ}\text{C}$

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

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PAINT SYSTEMS

| Substrate: | steel, blast-cleaning in surface preparation grade Sa 2 1/2 in |
|------------|--|
| | accordance with EN ISO 12944-4 |

EXAMPLES

| | | Product(s) (other paint systems on request) | NDFT (μm) |
|---|--------------------------------|--|--------------|
| _ | Priming coat | GEHOPON-E90R-Metallgrund | 80 to 160 |
| | Optional Intermediate coats | GEHOPON-E90R-ZB | 80 to 160 |
| | Top coats | WIEREGEN-M87 WIEREGEN-M97R WIEREGEN-M165R GEHOTEX-W92 | 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.

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

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