RWE Code No. GB-9-H….
GEHOTEX-W909-Metallgrund

MAIN PRODUCT PROPERTIES

- **1C-AY Hydro priming coat for high-grade corrosion protection of steel constructions, e. g. girder masts**
- **Construction site coating (brush application) as well as coating in the shop (airless) possible**
- **With additive Z1-11, suitable also for flushing application with dry film thicknesses of 80 µm**
- **The priming coat shows excellent adhesion and elasticity on steel, hot-dip galvanised steel, and old coatings**

PRODUCT DATA

GEHOTEX-W909-Metallgrund		**RWE Code No.**
W909-115 light ivory	approx. RAL 1015	GB-9-H-1015
W909-309 oxide red	approx. RAL 3009	GB-9-H-3009

Mixing ratio by weight
Not relevant

Demineralised water or water with low hardness

GEHOTEX-W909-Metallgrund / Guide values [1)]

Density (g/mL)	Solid content (weight %)	VOC content (weight %)	Solid content by volume (%)	Solid content by volume (mL//kg)
1.4	**66.0**	**< 5**	**52.5**	**375**

DFT * (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m²) [2)]	Spreading rate (m²/kg)	Spreading rate (m²/L)
80	**153**	**0.215**	**4.7**	**6.6**

1) Guide value averaged data, slight deviations are possible depending on the colour shade
2) Theoretical consumption based on a smooth surface. Dependent on the surface roughness and processing losses, different consumption data will be achieved in practice

PROCESSING INSTRUCTIONS

Recommendation at temperatures of approx. 20 °C	**Airless**	**Roller/Brush Application**	**Flushing**
Application viscosity (s)	**40 to 55** (6 mm ISO cup)	**40 to 55** (6 mm ISO cup)	**45 to 55** (4 mm DIN cup)
Nozzle diameter (mm)	**0.33 to 0.43**	**-**	**Flushing nozzle**
Material pressure (bar)	**200 to 300**	**-**	**1 to 3**
Atomiser pressure (bar)	**-**	**-**	**-**
DFT * per working operation (µm)	**80**	**-**	**80**
Addition of thinner	**dem. water**		**Z1-11**
Ma%	**0 to 3**	**-**	**12 to 14**
Vol%	**0 to 3**		**15 to 17**

Pot life
Not relevant

* DFT = Dry Film Thickness

D-76676 Graben-Neudorf — Sofienstraße 36 — Phone +49 (0) 7255 99-0 — Fax +49 (0) 7255 99-123
D-47249 Duisburg — Obere Kaiserswerther Straße 18 — Phone +49 (0) 203 99707-0 — Fax +49 (0) 203 99707-10
D-01683 Nossen — Gewerbestraße 8 — Phone +49 (0) 35242 6565-0 — Fax +49 (0) 35242 6565-29

Drying/Curing times at 80 µm DFT		Ambient air temperature 20 °C
	touch dry:	after approx. 60 minutes
	tack free:	after approx. 3 hours
	ready for overcoating / handling: walkable / stackable:	after 24 hours after 48 hours

INSTRUCTIONS FOR APPLICATION

Surface preparation

- Please observe the RWE guidelines in the respective valid version.

Steel surfaces

- Blast-cleaning Sa 2 ½ according to EN ISO 12944-4 alternatively
- Mechanical or manual derusting at preparation grade St 2 according to EN ISO 12944-4

Hot-dip galvanised steel surfaces

- Remove adhesion-reducing substances, particularly zinc salts alternatively
- Sweep blast-cleaning according to EN ISO 12944-4.
  After sweep blast-cleaning, the surface must have a uniformly dull appearance.

Existing old coatings

- Remove adhesion-reducing substances, e. g. cleaning, washing and if applicable
- mechanical or manual derusting at preparation grade PMa respectively PSt 2 according to EN ISO 12944-4.

Air and surface temperatures
10 to 35 °C

Relative humidity ≤ 80 %
Dew point distance ≥ 3 K
Ensure sufficient air movement during drying

PAINT SYSTEMS

EXAMPLES

		Product(s) (other paint systems on request)
	**Priming coat**	RWE Code No. GB-9-H…. GEHOTEX-W909-Metallgrund
	Top coat	RWE Code No. DB-11-H-.... GEHOTEX-W911

SAFETY MEASURES

The relevant data can be found in the current Material Safety Data Sheets, available at www.geholit-wiemer.de.