





MAIN PRODUCT PROPERTIES

- 1C-AY Hydro topcoat for high-grade corrosion protection of steel constructions and hot-dip galvanised steel constructions, e.g. girder masts, transformer stations of energy supply companies
- Also possible as monolayer directly on hot-dip galvanized steel structures
- Coating preferably by brush application (DFT 80 to 100 µm)
- Coating systems with GEHOTEX-W45B-Korrogrund have excellent adhesion and elasticity
- Labelling-free, water hazard class WHC 1

PRODUCT DATA

GEHOTEX-W45B-DKX-Hydro	MIO colours
	W45B-E7833 Cement grey approx. RAL 7033 (other colours on request)
	Mixing ratio by weight Not relevant
	Demineralised water or water with low hardness

GEHOTEX-W45B-DKX-Hydro / Guide values MIO colours ¹⁾

	Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	Solid content by volume	
	1.4	66.0	< 5	(%)	(mL/kg)
	DFT* (µm)	Calculated wet-film thickness (µm)	VOC content (g/m ²) ²⁾	Consumption (kg/m ²) ³⁾	Spreading rate (m ² /kg)
	100	189	1.4	0.265	3.8

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

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



Airless



High pressure



Roller/Brush application




Application viscosity (s) (Epprecht, MKC 25 °C)	200 to 280		
Nozzle diameter (mm)	-	-	-
Material pressure (bar)	-	-	-
Atomiser pressure (bar)	-	-	-
DFT * per working operation (µm)	-	-	80 to 100
Addition of thinner (%)	-	-	-

* DFT = Dry Film Thickness

**COMMENTS ON
PROCESSING**



Pot life
Not relevant

Drying/Curing times at 100 µm DFT	Ambient air temperature 20 °C
 dust-free:	after approx. 60 minutes
 tack free:	after approx. 120 minutes
 overcoating interval / dry to handle: walkable:	after 3 hours after 48 hours

Notes referring to Directive 2004/42/EG "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 diluent as given in "Application methods")
i (One-pack performance coatings) Type Wb	140 g/L	< 140 g/L

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Steel surfaces with required priming coats (see below)

- Remove adhesion-reducing substances, e.g. cleaning, washing
- Before overcoating of other priming coats, compatibility tests are required

Hot-dip galvanised steel surfaces

- Remove adhesion-reducing substances, particularly zinc salts

Existing coatings

- Remove adhesion-reducing substances, e.g. cleaning, washing
- Before overcoating of old coatings, compatibility tests are recommended




Air and surface temperature
10 to 35 °C



Relative humidity ≤ 80 %
Dew point distance ≥ 3 °C

PAINT SYSTEMS

EXAMPLES

		Product(s) (other paint systems on request)
	Priming coat (optional on galvanised substrate)	GEHOTEX-W45B-Korrogrund
	Topcoat	GEHOTEX-W45B-DKX-Hydro

SAFETY MEASURES



The relevant data can be found in the current material safety data sheets, available at www.geholti-wierner.de.

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