





MAIN PRODUCT PROPERTIES

- As a 1C-HS all-weather coating, largely independent of temperature, humidity, and dew point
- Very good levelling and curing under difficult conditions
- High surface tolerance / compatibility with old coatings
- Very high spreading rate
- With a nominal dry film thickness of 160 µm, suitable for corrosivity category C3, high protection duration
- Confirmation of suitability by Fraunhofer Institute IFAM, Bremen
Test reports KT-PB-110-14, A419862 and
KT-PB-110-2023, A20039429-5

PRODUCT DATA

WIEMERDUR-Z25AW	MIO colours
	Z25-E7833 Cement grey (other MIO colours resp. colours containing MIO on request)
	Mixing ratio by weight Not relevant
	V-925

WIEMERDUR-Z25AW	Guide values MIO colours				
	Density (g/mL) 1.5	Solid content (weight %) 83.0	VOC-content (weight %) 5	Solid content by volume (%) 72.5	(mL/kg) 485
	DFT * (µm) 160	Calculated wet-film thickness (µm) 220	Consumption (kg/m²) 0.330	Spreading rate (m²/kg) 3.0	Spreading rate (m²/L) 4.5

COMMENTS ON PROCESSING

Recommendation at
temperatures
of approx. 20 °C



Airless



High pressure



Roller/Brush application

Delivery viscosity (s) (8 mm DIN-cup)	15 to 25		
Delivery viscosity (mPas) (Epprecht, MKC 25 °C)	350 to 500		
Nozzle diameter (mm)	0.43 to 0.53	2.0 to 3.0	-
Material pressure (bar)	200 to 300	-	-
Atomiser pressure (bar)	-	3.0 to 4.0	-
DFT * per working operation (µm)	160	160	120 to 160
Addition of thinner (%)	0 to 2	2 to 5	0 to 2

* DFT = Dry Film Thickness



Pot life

Not relevant

Drying/Curing times at 160 µm DFT

Ambient air temperature 20 °C
Relative humidity ≥ 20 %



touch dry:

after approx. 120 minutes



tack free:

after approx. 6 to 8 hours



overcoating interval:
dry to handle:
dry to walk on:

after 8 hours
after 16 hours
after 24 hours

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 in its ready-for-use condition (including the max. amount of diluents as given in "Application methods")
	(Phase II from 2010)	
i ("One-pack performance coatings") Type Lb	500 g/l	< 500 g/l

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Steel surfaces

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

Weathered, hot-dip galvanised steel surfaces

- Sweep blast cleaning according to EN ISO 12944-4
After surface preparation, the surface must have a uniformly dull appearance.

Existing old coatings

- Remove adhesion-reducing substances, e. g. cleaning, washing
- For partial signs of corrosion: Mechanical or manual rust removal at preparation grade PMa resp. PSt 2 according to EN ISO 12944-4
- Before overcoating of old coatings, compatibility tests are recommended.



Air and surface temperatures

≥ -5 °



Relative humidity ≥ 20 %


Can be processed under dew point conditions! – Surface maximum dewy
Not permitted: rain, ponding water, rime, ice

Remove ponding water, visible rain- and waterdrops using compressed air
resp. microfiber cloths or similar


PAINT SYSTEMS

EXAMPLES

Substrate: steel, blast-cleaned in surface preparation grade Sa 2 ½ according to EN ISO 12944-4, possibly with old coatings

		Product(s) (other paint systems on request)	NDFT (µm)
	Monolayer	WIEMERDUR-Z25AW	120-160

Substrate: hot-dip galvanised steel in accordance with EN ISO 1461, possibly with old coatings

		Product(s) (other paint systems on request)	NDFT (µm)
	Monolayer	WIEMERDUR-Z25AW	120-160

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-wierner.de.

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