


MAIN PRODUCT-PROPERTIES

- As a 1C-HS all season topcoat basically independent of temperature, humidity and dew point
- Excellent leveling properties and curing at difficult conditions
- High surface tolerance / compatibility to old coatings
- Very high spreading rate
- Together with WIEMERDUR-Z10AW-Metallgrund and a dry film thickness of 160 µm suitable for corrosivity category C3, durability high
- Third party tested by Fraunhofer Institut IFAM, Bremen, report: KT-PB-110-15, A419862

PRODUCT DATA

WIEMERDUR-Z20AW	MIO-colours RAL-colours, mat
	Z20-E7833 Cement grey approx. RAL 7033 (other colours on request)
	Mixing ratio by weight Not relevant
	V-925

WIEMERDUR-Z20AW	guidance levels practically determined				
	Density (g/mL) 1.5	Solid content (weight %) 83.0	VOC-content (weight %) 5	Solid content by volume (%) 72.5	Solid content by volume (mL/kg) 485
	DFT * (µm) 80	Calculated wet-film thickness (µm) 110	Consumption (kg/m ²) 0.165	Spreading rate (m ² /kg) 6.1	Spreading rate (m ² /L) 9.1

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)	250 to 350		
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)	120 ¹⁾	80	80
Addition of thinner (%)	0 to 2	2 to 5	0 to 2

* DFT = Dry Film Thickness

1) To achieve optical uniform surfaces by airless-spraying, dry film thicknesses of ≥ 120 µm are recommended



Pot life
Not relevant

Drying/Curing times at 80 µm DFT

Ambient air temperature 20 °C
Relative humidity ≥ 20 %



touch dry:

after approx. 90 minutes



tack free:

after approx. 4 hours



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

after 4 hours
after 8 hours
after 16 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 SB	500 g/l	< 500 g/l

**INSTRUCTIONS
FOR APPLICATION**

Surface preparation

Weathered, hot-dip-galvanised steel surfaces

- Remove adhesion-reducing substances, particularly zinc salts, e. g. cleaning, washing, alkaline wetting agent washing, alternatively
- Sweep blast-cleaning according to EN ISO 12944-4. After sweep blast-cleaning the surface shall have a uniform dull appearance.

Existing Priming coats or old coatings

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



Air and surface temperature
≥ -5 °



Relative humidity ≥ 20 %
Can be processed under dew point conditions! – Surface maximum dewy
Not permitted: rain, standing water, ripe, ice

Remove standing water, visible rain- and water drops using compressed air respectively microfiber cloths or similar

**PAINT SYSTEMS
EXAMPLES**

Substrate: steel, blast-cleaning in surface preparation grade Sa 2 ½ in accordance with EN ISO 12944-4, if applicable with old coatings

		Product(s) (other paint systems on request)	NDFT (µm)
	Priming coat	WIEMERDUR-Z10AW-Metallgrund	80
	Top coat	WIEMERDUR-Z20AW	80

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

		Product(s) (other paint systems on request)	NDFT (µm)
	Priming coat	WIEMERDUR-Z10AW-Metallgrund	80
	Top coat	WIEMERDUR-Z20AW	80

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

		Product(s) (other paint systems on request)	NDFT (µm)
	Monolayer	WIEMERDUR-Z20AW	100 to 140

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.

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