

MAIN PRODUCT- PROPERTIES	temp Exce High Very Toge 160 µ Conf	a 1C-HS all season priming coat basically independent of perature, humidity and dew point ellent leveling properties and curing at difficult conditions in surface tolerance / compatibility to old coatings y high spreading rate ether with WIEMERDUR-Z20AW and a dry film thickness of µm suitable for corrosivity category C3, durability high firmation of suitability by Fraunhofer Institut IFAM, Bremen, port: KT-PB-110-15, A419862	
PRODUCT DATA	WIEMERDUR-Z10AW-Metallgrund		
		Z10-309 oxide red RAL 3009 (other colours on request)	
	A:B	Mixing ratio by weight Not relevant	

TECHNICAL INFORMATION

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Protective Coatings

V-925

WIEMERDUR-Z10AW-Metallgrund / guidance levels practically determined

		determined			
7 8 9 * 4 5 6 - 1 2 3 + 0 , =	Density (g/mL) 1.5	Solid content (weight %) 83.0	VOC-content (weight %) 5	Solid conte (%) 72.5	nt by volume (mL/kg) 485
	DFT * (μm) 80	Calculated wet-film thickness (µm) 110	Consumption (kg/m ²) 0.165	Spreading rate (m²/kg) 6.1	Spreading rate (m²/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
* DET D E'' T'''			

* DFT = Dry Film Thickness

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

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WIEMERDUR-Z10AW-Metallgrund

1C-HS Priming coat



Not relevant

Drying	/Curing times at 80 µm DFT	Ambient air temperature 20 °C Relative humidity ≥ 20 %		
	touch dry:	after approx. 90 minutes		
b	tack free:	after approx. 5 hours		
	overcoating interval: dry to handle: dry to walk on:	after 5 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	
	(Phase II from 2010)	its ready for use condition (including the max. amount of diluents as given in "Application methods")	
i ("One-pack performance coatings") Type SB	500 g/l	< 500 g/l	

INSTRUCTIONS FOR APPLICATION

Surface preparation

Steel surfaces

- Blast-cleaning Sa 2 1/2 according to EN ISO 12944-4, alternatively
- Hand or power-tool cleaning at preparation grade St 2 according to EN ISO 12944-4

Weathered, hot-dip-galvanised steel surfaces

- Remove adhesion-reducing substances, particularly zinc salts, e. g. cleaning, washing, alcaline 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
 - With partial signs of corrosion: Hand or power-tool cleaning at preparation grade PMa respectively PSt 2 according to EN ISO 12944-4
- Before overcoating of unknown Priming coats 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

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PAINT SYSTEMS

EXAMPLES

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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 coats	WIEMERDUR-Z10AW-Metallgrund	80
Top coat	WIEMERDUR-Z20AW	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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