

wefaPox 2K W Monocoat

water-dilutable

Article-no: 6371Wxxxx



Technical Datasheet
Version: 19.03.2019

Short Description

- 2 component one-layer coat on epoxyresin base
- water-dilutable
- very good corrosion protection
- very good non-sag properties
- very good drying characteristic
- elastified, excellent impact resistance
- with approval of the DB
- fire protection tested
- recommended DFT 140 µm

Technical Data

Hardener	Härter 58 EP W S (Article-no: 0358W0000S) Härter 58B (Article-no: 0358W0003)	
Mixing ratio	Volume	1,4 : 1
	Weight	1,7 : 1
Pot life/temperature	2,5 h / 20 °C The pot life is shortened at higher temperatures. Attention! The end of the pot life is not indicated by an increase in viscosity.	
Density (g/cm³) at 20 °C DIN EN ISO 2811-2	Main component	1,4 ± 0,1
	Hardener	1,1 ± 0,1
	Mixture	1,3 ± 0,1
Dry film density DIN EN ISO 3233-3	Mixture	1,50 ± 0,1
Solid content DIN EN ISO 3251	Mixture	60 ± 2 %
Solid volume DIN EN ISO 3233-3	Mixture	51 ± 2 %
Theoretical yield VDL RL08-1299	approx. 41,11 m²/kg at 10 µm DFT	
Dilution	Demineralized water (recommended) Tap water (< 10° dH)	
Storage stability	<ul style="list-style-type: none">- Main component 6 months at 20 °C- Hardener 6 months at 20 °C from date of manufacture in closed original container. Keep paint material frost-free. Higher temperatures can shorten the storage stability.	

Processing / Application

Preparation	Stir well. Hardener should be stirred with a mechanical stirrer until complete homogenization.
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Substrate	- dry, dust-, grease- and release agent free <u>One-layer coat:</u> - steel, aluminium - recommended sandblasting on ferrous- and non ferrous metal SA 2½ (DIN EN ISO 8501-1) <u>Multi-layer coat:</u> - suitable wefa build-up (build-up suggestions after consultation) - carry out test coating - check color tone and adhesion	
Recommended processing range	temperature range: 18 - 28°C rel. humidity: 25 - 75 % air sinking velocity: 0,3 - 0,5 m/sec. object temperature: 18 - 28°C difference to the dew point: > 3°C	
Possible processing range with restrictions	temperature range: 28 - 40°C rel. humidity: 10 - 25 % / 75 - 85 % air sinking velocity: 0,5 - 1 m/sec. object temperature: 28 - 38°C difference to the dew point: > 1 °C / < 3°C <i>In the above mentioned „processing with restrictions“, the following properties may change:</i> <i>surface structure, coating leveling, drying times, blister limits, gloss level.</i> <i>For example, you can counteract with the following measures:</i> <i>Paint in the lower layer thickness range, change the viscosity setting, change the flash off times, adjust application, switch off circulating air in the drying phase, air drying instead of forced drying.</i> <i>These measures must be instructed or approved by trained personnel. If necessary, consult our application engineering.</i>	
Not recommended processing range	temperature range: < 18 °C / > 40°C rel. humidity: < 10 % / > 85 % air sinking velocity: > 1 m/sec. object temperature: < 18 / > 40°C difference to the dew point: < 1°C	
Application method	- Airless - Airmix Further application methods after consultation with our application engineering	
Application viscosity	delivery viscosity	
Drying at 140 µm DFT	Air drying at 23°C and 50 % rel. humidity	Forced drying at 60°C
Flash off time	-	60 min
Dust-dry	60 min	-
Recoatable	2 h	60 min (plus cooling time)
Mounting fixed / Maskable	24 h	2 h (plus cooling time)
Max. recoatability without pretreatment	3 days	
Drying before safety-relevant bonding	min. 7 days at room temperature. Drying time can be shortened by appropriate tests if necessary.	

	Cleaning of spraying equipment	Water Spülverdünnung W (article-no: 9050L0000) VOC reduced cleaners on request
	Cleaning of 2-component mixing systems	Water and wefa HydroCleaner (article-no: 9095W0000)
<u>Work- and Healthprotection</u>	Observe the rules of the employer's liability insurance association. Observe the precautions for ventilation. Observe the notes in the MSDS. Wear protective clothing: respiratory-, hand- and eye protection	
<u>Approvals / Characteristics</u>	Deutsche Bahn AG	TL 918 300 sheet 42 (in combination with primer) additional: approved according to sheet 2
	Fire resistance test	DIN EN 45545-2

Note:

The above mentioned data are average values and may vary for different shades.

If specific work instructions exist, these must be observed.

This data sheet reflects the current state of our knowledge and experience. No binding assurance of a certain property or fitness for a particular purpose is not given by this. The buyer or consumer of the products has to review the items on their own responsibility for their suitability for the purpose intended. For questions, please contact our technical service available. Depending on the quality of the used tools and equipment can fail and the quality of the results differently.

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