

# wefaPox 2K W Metallgrund

water-dilutable

Article-no.: 5308Wxxxx



**Technical Datasheet**  
**Version: 17.08.2019**

## Short Description

- 2-component primer on epoxyresin base
- Water-dilutable
- good corrosion protection
- good non-sag properties
- good drying characteristic
- with approval of the DB und ÖBB
- fire protection tested
- recommendend DFT 80 µm

## Technical Data

<b>Hardener</b>	Härter 58 EP W S (Article-no.: 0358W0000S)	
<b>Mixing ratio</b>	Volume	1,5 : 1
	Weight	2 : 1
<b>Pot life/temperature</b>	3 h / 20°C The pot life is shortened at higher temperatures. <b>Attention!</b> The end of the pot life is not indicated by an increase in viscosity.	
<b>Density (g/cm³) at 20 °C</b> <b>DIN EN ISO 2811-2</b>	Main component	1,4 ± 0,1
	Hardener	1,1 ± 0,1
	Mixture	1,3 ± 0,1
<b>Dry film density</b> <b>DIN EN ISO 3233-3</b>	Mixture	1,50 ± 0,1
<b>Solid content</b> <b>DIN EN ISO 3251</b>	Mixture	60 ± 2 %
<b>Solid volume</b> <b>DIN EN ISO 3233-3</b>	Mixture	51 ± 2 %
<b>Theoretical yield</b> <b>VDL RL08-1299</b>	approx. 41,45 m²/kg at 10 µm DFT	
<b>Dilution</b>	Demineralized water (recommended) Tap water (< 10° dH)	
<b>Storage stability</b>	6 months at 20 °C 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.	
- <b>Main component</b>		
- <b>Hardener</b>		

## Processing / Application

<b>Preparation</b>	Stir well. Hardener should be stirred with a mechanical stirrer until complete homogenization.
<b>Substrate</b>	<ul style="list-style-type: none"><li>- dry, dust-, grease- and release agent free</li><li>- steel, stainless steel, aluminium, check GRP for compatibility / usable</li><li>- recommended sandblasting on ferrous- and non ferrous metal SA 2½ (DIN EN ISO 8501-1)</li><li>- carry out test coating</li><li>- check color tone and adhesion.</li><li>- suitable wefa build-up (build-up suggestions after consultation)</li></ul>

<b>Recommended processing range</b>	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	
<b>Possible processing range with restrictions</b>	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:          surface structure, coating leveling, drying times, blister limits, gloss level.          For example, you can counteract with the following measures:          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.          These measures must be instructed or approved by trained personnel. If necessary, consult our application engineering.</i>	
<b>Not recommended processing range</b>	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	
<b>Application method</b>	- Airless - Airmix Further application methods after consultation with our application engineering	
<b>Application viscosity</b>	delivery viscosity	
<b>Drying at 80 µm DFT</b>	Air drying at 23°C and 50 % rel. humidity	Forced drying at 60°C
Flash off time	-	45 min
Dust-dry	45 min	-
Dry to touch / Recoatable	2 h	30 min (plus cooling time)
Mounting fixed / Maskable	16 h	2 h (plus cooling time)
Max. recoatability without pretreatment	14 days	
<b>Drying before safety-relevant bonding</b>	Drying times may differ before applying the putty. For drying times of the primer please observe the work instructions of the putty. min. 7 days at RT Drying time can be shortened by appropriate tests if necessary.	
<b>Cleaning of spraying equipment</b>	water Spülverdünnung W (Article-no: 9050L0000) VOC reduced cleaners on request	
<b>Cleaning of 2-component mixing systems</b>	water and wefaHydroCleaner (Article-no: 9095W0000)	

<b><u>Work- and Healthprotection</u></b>	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	
<b><u>Approvals / Characteristics</u></b>	<b>Deutsche Bahn AG</b>	TL 918 300 Blatt 2 (RAL 1015, approx. sand yellow)
	<b>Österreichische Bundesbahn</b>	Modul 15, 17, 19, 20, 21
	<b>Fire protection test</b>	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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