

# FREIOPLAST

## Hydro-Coating WL1509

- Water dilutable dispersion-paint
- Fast air-drying
- Oven drying possible

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	combination of acrylate-copolymer-dispersion and epoxy resin ester		
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request		
	<b>Gloss value</b> DIN 67530 and DIN EN ISO 2813	WL1509H = WL1509M =	satin mat mat	25 to 45 18 to 22
				geometry 60° geometry 85°
	<b>Original viscosity</b> DIN 53211*	75 to 85 sec. / 4mm cup		
	<b>Thinner</b>	demineralised water		
	<b>pH-value</b>	8,6	+ / - 0,1	
	<b>Density</b> calculated	1,1 g / ml	+ / - 0,1	
	<b>Solid content</b> calculated	40 %	+ / - 3	
	<b>Solid content in volume</b> calculated	350 ml / kg	+ / - 15	
	<b>Consumption</b> calculated in original viscosity, without application loss	110 to 120 g / m <sup>2</sup> dry film thickness 40 µm see „Special remarks“		

**Storability**      Approx. 9 month in original packings at an ambient temperature of 15 to 25 °C, in case the original packings are tightly closed. Protect from frost. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective.

**Processing and application**

**Application**

Stir up before the use carefully (e.g. with high-speed mixer).

spraying-airless: in original viscosity  
 spraying-high-pressure: in original viscosity (if necessary after adjustment with dem. water)

**Substrates**

steel, with non-ferrous metals and plastics are necessarily preliminary tests

**Pretreatment**

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. According to the requirements we recommend to apply the suited chemical (e.g. phosphatizing, chromating) or / and mechanical (e.g. shot blasting) pretreatment.

**Proposal for a coating system**

substrates:	steel	
primer:	FREIOPLAST-Hydro-Primer	WL1519
top coat:	FREIOPLAST-Hydro-Coating	WL1509

**Application temperature**

above 10 °C

**Drying**

40 to 70 % rel. Dampness with air movement

dust dry:	after 30 min	(degree of drying 1/ DIN 53150)
dry to touch:	after 5 h	(degree of drying 4/ DIN 53150)
complete dry:	after 24 h	(swinging beam hardness/ ISO 1522)
oven drying:	up to 80°C possible	(object temperature)

**Repair coating**

With itself: after 24 Std. Drying process at ambient temperature, necessarily sanding.

**Cleaning of working equipment**

immediately after use: water, lightly dried material on the surface of working tools: organic cleaners, e.g. EFD-Thinner 400424

**Advice for safety protection and protection of health** The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, sayfety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

**Special remarks**

**Test condition**

\*Indication of the delivery viscosity according to DIN 53211:  
 DIN 53211 was withdrawn in October 1996.  
 On request the value is available according to DIN EN ISO 2431.

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on WL1509HRA510, gentian blue RAL 5010 satin mat.

All information is based on a standard climate 20/65 DIN 50014.

For the calculation of the practical consumption loss additions have to be considered. Indications to this are the practical experience and advices given in DIN 53220.

All information are based on our product knowledge and experience. To the application we have no direct influence. For further information please don't hesitate to contact us. The information mentioned herein are reference values and are not given as specification.