

# FREIOPLAST

## Hydro-Primer WL1519V

V = Modification of the  
standard system

- Water dilutable primer
- Good moisture-room resistance
- Good adhesion on steel and zinc substrates

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	styrene-acrylate-dispersion	
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request	
	<b>Gloss value</b> visual	mat	
	<b>Original viscosity</b> DIN 53211*	45 to 55 Sec. / 4 mm cup	
	<b>Thinner</b>	demineralised water	
	<b>pH-value</b>	8,7	+ / - 0,2
	<b>Density</b> calculated	1,3 g / ml	+ / - 0,5
	<b>Solid content</b> calculated	53 %	+ / - 1
	<b>Solid content in volume</b> calculated	310 ml / kg	+ / - 10 see „Special remarks“
	<b>Consumption</b> calculated in original viscosity, without application loss	160 to 170 g / m <sup>2</sup> dry film thickness 50 µm	see „Special remarks“

**Storability** Approx. 9 month in original packings at an ambient temperature of 5 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.

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**Processing and application****Application**

spraying-airless: in original viscosity  
spraying-high-pressure: in original viscosity

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**Substrates**

ferrous , steel, with galvanized substrates are necessarily preliminary tests

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**Proposal for a coating system**

substrates: steel  
primer: FREIOPLAST-Hydro-Primer WL1519V  
top coat: water-based coating systems, e.g.:  
FREIOPLAST-Hydro-Coating WL1509 or  
EFDEDUR-Hydro-Coating WU1451  
other coating systems, e.g.:  
EFDEDUR-Coating UR1044 or  
FREOLUX-Coating KL1022

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**Application temperature**

above 10 °C

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**Drying**

air drying at 20°C

dust dry: after 30 min (degree of drying 1/ DIN 53150)  
dry to touch: after 60 min (degree of drying 4/ DIN 53150)  
complete dry: after 10 days (swinging beam hardness/ ISO 1522)

oven drying: up to 70°C possible (object temperature)

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**Cleaning of working equipment**

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

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**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, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

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**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 and drying depend on colour shade.  
The values mentioned in this data sheet are based on WL1519VR1779, agate grey.

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.