

# FREIOPLAST

## Hydro-Coating WL1651V

V = Modification of the standard system

- Water dilutable coating
- Good weather resistance
- Fast air-drying
- Volatile organic compound is lower than 5 % per weight
- One coat-System on steel and grey cast iron

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	Preparation based on watery styrene-acrylate-dispersion
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request
	<b>Gloss value</b> visuell	satin mat
	<b>Original viscosity</b> Haake Viscotester VT 02	25 bis 35 dPas / Spindel 1
	<b>Thinner</b>	demineralised water
	<b>pH-value</b>	9,0      + / - 0,2
	<b>Density</b> calculated	1,25 g / ml    + / - 0,1
	<b>Solid content</b> calculated	58 %          + / - 4
	<b>Solid content in volume</b> calculated	380 ml / kg    + / - 20
	<b>Consumption</b> calculated in original viscosity, without application loss	200 to 230 g / m <sup>2</sup> dry film thickness 80 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.

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

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

spraying-high-pressure: in original viscosity  
by brush: in original viscosity

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**Substrates**

steel, grey cast iron

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**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. shotblasting) pretreatment.

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**Application temperature**

above 10 °C

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**Drying**

air drying at 20°C

dust dry: after 60 min (degree of drying 1/ DIN 53150)  
dry to touch: after 1 to 2 h (degree of drying 4/ DIN 53150)  
complete dry: after 3 days (swinging beam hardness/ ISO 1522)

oven drying: up to 60°C possible (object temperature)

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**Repair coating**

With itself

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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**

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on light ivory, 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.