

FREIOPLAST

Hydro-Dipping Primer WL1684MA1724

- Primer, water dilutable
- Good adhesion on steel and grey cast iron

Technical / Physical Data	Resin/ binder	Styrene butadiene dispersion
	Colour	brown other colour shades on request
	Gloss value visual	mat
	Original viscosity DIN 53211*	40 to 60 Sek. / 4 mm cup
	Thinner	demineralised water
	pH-value	9,3 + / - 0,3
	Density calculated	1,25 g / ml + / - 0,15
	Solid content calculated	52 % + / - 2
	Solid content in volume calculated	325 ml / kg + / - 10 see „Special remarks“
	Consumption calculated in original viscosity, without application loss	90 to 95 g / m ² dry film thickness 30 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.



Processing and application

Application

dipping: after viscosity adjustment to 20 to 26 sec./ 4 mm cup DIN 53211*

Substrates

ferrous, steel, grey cast iron

Proposal for a coating system

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

Substrat: grey cast iron
 Primer: FREIOPLAST-Hydro-Dipping Primer WL1684MA1724
 Topcoat: Lacquer systems, solvent containing e.g:
 EFDEDUR-Coating UR1044 or
 FREOLUX-Coating KP1052
 Lacquer systems, water dilutable e.g:
 FREIOPLAST-Hydro-Coating WL1651

In the structure with EFDESILK Metalleffektlack KT1815MRA906 a temperature load to 300 °C is examined.

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry: after 30 min (degree of drying 1/ DIN 53150)
 dry to touch: after 24 h (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)

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, safety 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.

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.