

FREIOPLAST

Hydro-Primer WL1629

- Good corrosion protection
- Fast air-drying
- Volatile organic compound is lower than 5 % per weight

Technical / Physical data	Resin/ binder	Preparation based on watery styrene-acrylate-dispersion	
	Colour	acc. to RAL 840 HR other colour shades on request	
	Gloss value	mat	
	Original viscosity DIN 53211	25 to 30 dPas / Sp. 1	
	Thinner	demineralised water	
	pH-value	8,8	+ / - 0,2
	Density calculated	1,25 g / ml	+ / - 0,1
	Solid content calculated	56 %	+ / - 4
	Solid content in volume calculated	350 ml / kg	+ / - 20
	Consumption calculated in original viscosity, without application loss	220 to 240 g / m ² 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.

Processing and application

Application

spraying-Airless: in original viscosity
by roller/ brush: in original viscosity

Substrates

steel

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	WL1629	
top coat:	FREIOPLAST-Hydro-Paint	WL1651H	

Application temperature

above 10 °C

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)	

Repair coating

After 1 to 2 h / 20°C

Cleaning of working equipment

immediately after use: water, lightly dried material on the surface of working tools: organic cleaners, e.g. EFDEZELL-Thinner 400429.

Advise 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

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on pebble grey RAL 7032 in mat adjustment. 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.