FreiLacke

EFD-Hydro-Repair-Coating
WL1004V

Characteristics	Water-thinnable single-layer coating	
	Application, e.g. in the construction and sanitary sector	
	Fast initial drying	
	Suitable for derived timber products	
Technical / Physical Data	Binder-Base	Acrylate-styrene copolymer
	Colour	All common colour shades
	Gloss value DIN EN ISO 2813	satin mat 30-54 Angle 60°
	Viscosity	1000-2000 mPa.s/ Spindle 4 60 revolution/ min.
	Thinner	demineralised water
	pH-Value	8,2-9,0
	Density calculated	1,1-1,2 g/ml
	Solid Mass calculated	27-31 %
	Solid content in volume calculated	165-175 ml/kg
	Material usage theoretical, without application loss	455-485 g/m², Layer thickness 80 µm
	Reference colour of the specified values	Colour of WL1004VW2589
Substrate	Wood	
Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate.	
Structure recommendation	Substrate	Wood
	Top coat	WL1004VW2589 Dry film thickness 60 µm
Mechanical Test	Cross-cut-test DIN EN ISO 2409	Gt 0
Processing and application	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
	Object temperature	10-30 °C
	Processing conditions	Room temperature 18-25 °C Relative humidity 40-70 %
	High pressure spraying	40-50 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 1,7 mm Spray pressure 3-4 bar
	Rolling / painting	as delivered viscosity

DIN EN ISO 9001
IATF 16949
EMAS

Emil Frei GmbH & Co. KG
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238
www.freilacke.de
info@freilacke.de

FreiLacke

EFD-Hydro-Repair-Coating
WL1004V

	Over-coating capability	possible with same quality, dry at the earliest after matting
	Cleaning of equipment	Immediately with water - possibly with addition of 5-10 % by weight EFD cleaning agent 400916. Dried-on equipment with org. solvents, e.g. EFD thinner 400424.
	Health & Safety at Work guidelines The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous substances, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.	
Curing	Air drying	at 20 °C, 40-70 % relative humidity with air movement
	Dust drying	after 35 min. (degree of drying 1/ DIN EN ISO 9117-5)
	Dry to the touch	after 2 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	Full drying	after 17 days (pendulum damping/DIN EN ISO 1522)
	Oven drying	possible to 70°C
Resistance to storage	Approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Protect from frost. Open packages are to be used within a short time. The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.	
Specific comments	**EFD-info** Refer to the EFD information for further technical information. Nr. 111	
	Test conditions All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge and experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information. The information provided here contains reference values and does not constitute a specification.	

DIN EN ISO 9001
IATF 16949
EMAS

Emil Frei GmbH & Co. KG
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238
www.freilacke.de
info@freilacke.de