WL1610M
FREIOPLAST-Hydro-Coating

Product description

Product technology	water-thinnable single-layer coating
Application area	e.g. in the construction and sanitary sector
Mechanical resistance	good
Substrate	PS (polystyrene), PS (polystyrene foam), Plastic, not defined in more detail

General product properties

Binder-Base	Acrylic Resin	
Gloss visually	matt	
Viscosity	Flow time 27-33 sec. 4 mm flow cup	DIN 53211
pH-Value	8,0-8,6	DIN 19260
Density	1,30-1,35 g/cm³	theoretical
Solid mass	46-50 %	theoretical
Solid content in volume	30-33 %	theoretical
Reference product	The values given refer to the product with the shade WL1610MRA910.	
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.	

Application and processing

Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues.	
Structure recommendation	Substrate	PS (polystyrene)
	Top coat	WL1610M Dry film thickness 15-30 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
Thinning	demineralised water	
Object temperature	10-30 °C, minimum +3 °C above dew point temperature	
Processing conditions	Room temperature 18-22 °C Relative humidity 40-60 %	

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

WL1610M
FREIOPLAST-Hydro-Coating

High pressure spraying	as delivered viscosity nozzle 1,0-1,3 mm spray pressure 3 bar	
Vacumat	35-43 sec. / 4 mm flow cup (DIN 53211)	
Material usage	without application loss 30-60 g/m² layer thickness 15-30 µm	theoretical
Air drying	18-22 °C, 40-60 % relative humidity	
Dust drying	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 1 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 3 day/s (pendulum damping)	DIN EN ISO 1522
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.	

Further processing of coated pieces

Repainting	possible with same quality, dry at the earliest after matting.

Comments

EFD info	Further technical information can be found in the EFD Info. No. 111.
Work-and Healthprotection	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.
Test conditions	All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an 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.

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de