



WO1852H

FREIOTHERM-Hydro-Coating

Product description

Product technology	water-thinnable baking coating
Application area	e.g. in the functional furniture and storage technology sector
Over-coating capability	possible with powder coatings
Mechanical resistance	good hardness and elasticity
Substrate	Non-ferrous metals, Steel, ATL-primed

General product properties

Binder-Base	Combination of acrylate/amino resin		
Colour	All common colour shades		
Gloss value	satin glossy	65-75 GU, angle 60°	DIN EN ISO 2813
Viscosity	Flow time 45-55 sec. 4 mm flow cup		DIN 53211
pH-Value	8,5-8,7		DIN 19260
Solid mass	44-58 %		theoretical
Solid content in volume	32-36 %		theoretical
Reference product	The values given refer to the product with the shade WO1852HRA505.		
Resistance to storage	<p>approx. 9 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.</p> <p>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.</p>		

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. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.		
Structure recommendation	Substrate	On bare steel plate	
	Top coat	WO1852HRA505 Dry film thickness 30 µm	



WO1852H

FREIOTHERM-Hydro-Coating

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	
Dry film thickness	must not exceed 45 µm – risk of reaction bubbles.	
Object temperature	18-25 °C, minimum +3 °C above dew point temperature	
Processing conditions	Room temperature 18-25 °C Relative humidity 40-60 %	
High pressure spraying	as delivered viscosity nozzle 1,2 mm spray pressure 4 bar	
Material usage	without application loss 230-250 g/m ² layer thickness 80 µm	theoretical
Oven drying	4 min. / 150 °C - 10 min. / 160 °C (object temperature)	
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 based on pre-test
-------------------	----------------------------

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.