



WT4716LB2643 FREIOTHERM-DipTec

Product description

Product technology	water-thinnable baking coating
Application area	e.g. in the functional furniture and storage technology sector
Application	for exterior use
Mechanical resistance	good hardness and elasticity
Substrate	Non-ferrous metals, Steel

General product properties

Binder-Base	Acrylic Resin, modified	
Viscosity	Flow time 30 - 40 sec. 4 mm flow cup	DIN 53211
pH-Value	8,3 - 8,7	DIN 19260
Solid mass	43 - 47 %	theoretical
Solid content in volume	30 - 33 %	theoretical
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.		
Gloss value	mat	24 - 40 GU, Angle 85°	DIN EN ISO 2813
Structure recommendation	Substrate	On iron-phosphated steel plate	
	Top coat	WT4716LB2643 Dry film thickness 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		
Dry film thickness	must not exceed 40 µm – risk of reaction bubbles.		
Processing conditions	Room temperature 18 - 25 °C Relative humidity 40 - 60 %		
Flow Time	16 - 25 sec. / 4 mm flow cup (DIN 53211)		



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Material usage	without application loss 160 - 180 g/m ² layer thickness 40 µm	theoretical
Note on curing	Coloured area = stoving conditions with good end properties	
Oven drying	20 min. / 160 °C - 10 min. / 180 °C (object temperature)	
Cleaning of equipment	cleaning immediately with water, dried-on equipment with org. solvents, e.g. EFD cleaner.	

Comments

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	<p>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.</p> <p>The information provided here contains reference values and does not constitute a specification.</p>	