



WL1676P

FREIOPLAST-Hydro-Digital printing base

Product description

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

General product properties

Binder-Base	Acrylic Resin	
Colour	All common colour shades	
Viscosity	Flow time 35-43 sec. 4 mm flow cup	DIN 53211
pH-Value	8,4-8,9	DIN 19260
Solid mass	52-53 %	theoretical
Solid content in volume	35-36 %	theoretical
Reference product	The values given refer to the product with the shade WL1676PN1258.	
Resistance to storage	<p>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.</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	PS (polystyrene)
	Top coat	WL1676PN1258 Dry film thickness 50 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 %	



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High pressure spraying	as delivered viscosity nozzle 1,4 mm spray pressure 4 bar	
Material usage	without application loss 180-200 g/m ² layer thickness 50 µm	theoretical
Oven drying	up to 90 °C possible	
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.
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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.