Technical Data Sheet





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 resistancegood hardness and elasticitySubstrateNon-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 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.

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

PretreatmentThe 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 Substrate On iron-phosphated steel plate

Top coat WT4716LB2643

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Dry film thickness 30 µm

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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)

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

recommendation

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Material usage without application loss 160 - 180 g/m² theoretical

layer thickness 40 µm

Note on curingColoured area = stoving conditions with good end properties

The displayed baking conditions are based on results from laboratory tests and therefore merely serve as a guideline when configuring the processing company's coating systems. The processing company is responsible for ensuring that the coating is fully cured. The complete curing of the coating must be checked by means of additional analytical and resistance tests using representative original parts under production conditions. Please do

not hesitate to contact us if you require consultation.

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

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.

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