## **Technical** Data Sheet





## WT4713MB2643

## 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

Condensed water

resistance

good

Substrate Non-ferrous metals, Steel

#### **General product properties**

Binder-Base Acrylic Resin, modified

Gloss value mat 24-40 GU, angle 85° DIN EN ISO 2813

Viscosity Flow time 20-25 sec., 4 mm flow cup DIN 53211

pH-Value 8.3-8.7 DIN 19260

 pH-Value
 8,3-8,7
 DIN 19260

 Density
 1,2-1,3 g/ml
 theoretical

Solid mass 43-47 % theoretical

Solid content in volume 240-250 ml/kg 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**

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 iron-phosphated steel plate

Top coat WT4713MB2643

Dry film thickness 30 µm

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

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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.

Object temperature 10-30 °C, minimum +3 °C above dew point temperature

**Processing conditions** Room temperature 18-25 °C

Relative humidity 40-60 %

Flow Time 16-25 sec. / 4 mm flow cup (DIN 0)

Material usage without application loss 160-180 g/m<sup>2</sup> theoretical

layer thickness 40 µm

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.

#### **Mechanical tests**

Cross-cut-test Gt 0 DIN EN ISO 2409

#### Comments

Work-and 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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