Technical Data Sheet





ES1904M

FREODUR-UV-Coating

Product description

Product technology UV coating

Application for interior use

Scratch resistance good

Substrate PS (polystyrene)

General product properties

Binder-Base Urethane acrylate UV curing

Colour in accordance with RAL 840 HR

other colours on request

Gloss value mat 15 - 25 GU, Angle 60° DIN EN ISO 2813

The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly

structured surface.

Viscosity 300 - 1000 mPa*s

Density 1,3 +-0,2 g/ml theoretical

Solid mass 98,4 % theoretical

Resistance to storage approx. 6 month in original packagings at an ambient temperature of 5 to 25 °C. 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

recommendation

Structure Substrate PS (polystyrene)

Clearcoat ES1904MRA999

Coating thickness 20 - 40 µm

Processing conditions 10 °C.

The paint must be protected from light.

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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.

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High pressure spraying

as delivered viscosity

nozzle 0,8 - 1,2 mm

Hot spray process

in delivery viscosity temperature bis 60 °C

Curing

Belt v= 6m/min Heater type Ga + Hg Heater output 120W/cm

min. UV dose 1300mJ/cm²

Cleaning of equipment

EFD dilution 400064

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.

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