# ES1904M
## FREODUR-UV-Coating

### Product description

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|---|---|
| **Product technology** | UV coating |
| **Application** | for interior use |
| **Scratch resistance** | good |
| **Substrate** | PS (polystyrene) |

### General product properties

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|---|---|---|---|
| **Binder-Base** | Urethane acrylate UV curing | | |
| **Colour** | in accordance with RAL 840 HR<br>other colours on request | | |
| **Gloss value** | mat | 15 - 25 GU, Angle 60°<br>The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly structured surface. | DIN EN ISO 2813 |
| **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.<br><br>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

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| **Structure recommendation** | Substrate | PS (polystyrene) |
| | Top coat | ES1904MRA916<br>Coating thickness 20 - 40 µm |
| **Processing conditions** | 10 °C.<br>The paint must be protected from light. | |
| **High pressure spraying** | as delivered viscosity<br>nozzle 0,8 - 1,2 mm | |
| **Hot spray process** | in delivery viscosity temperature 60 °C | |

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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|---|---|
| **Curing** | Belt v= 6m/min<br>Heater type Ga + Hg<br>Heater output 120W/cm<br>min. UV dose 1300mJ/cm² |
| **Cleaning of equipment** | EFD dilution 400064 |

## Comments

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|---|---|
| **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.<br><br>The information provided here contains reference values and does not constitute a specification. |

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