



GS9107M_HU0001 EFDEDUR-System-Fine-Structure

Product description

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| Product technology | solvent-based 2-component coating |
| Surface | self-forming texture |
| Application | For interior and exterior applications |
| Property | Silicone-free |
| System coating structure | possible (see information) |
| Standard-System | GS1007M |
| Substrate | Plastic, not defined in more detail, Non-ferrous metals, Steel |

General product properties

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| Binder-Base | Acrylic Resin |
| Colour | according to FreiLacke reference sample |
| Gloss visually | according to FreiLacke reference sample |
| Viscosity | 200-1400 mPa*s, spindle 3, 60 revolutions/min. DIN EN ISO 2555 |
| Density | 1,2-1,4 g/ml after addition of hardener theoretical |
| Solid mass | 66-70 % after addition of hardener theoretical |
| Solid content in volume | 355-375 ml/kg after addition of hardener theoretical |
| Reference product | The specified values refer to the product GS9107MA1782. |
| Resistance to storage | <p>approx. 24 month in original packagings at an ambient temperature of 5 to 25 °C. 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

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| 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. |
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| Structure recommendation | Substrate | Steel |
| | Primer | ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm |
| | Top coat | GS9107H Mixing ratio 5:1 HU0001 Dry film thickness 40-60 µm |
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| Note before use | Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). | |
| Hardener | HU0001 | |
| Mixin ratio | Parts by weight 5:1 | |
| Thinning | EFD dilution 400320 EFD dilution 400500 | |
| Processing conditions | from 10 °C to 25 °C | |
| Processing time | max. 6 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure. | |
| High pressure spraying | as delivered viscosity after adding curing agent nozzle 1,2-1,8 mm spray pressure 2-4 bar | |
| Material usage | without application loss 130-150 g/m² layer thickness 40-60 µm after addition of hardener | theoretical |
| Oven drying | up to 100 °C possible (object temperature) | |
| Air drying | 20 °C, 50 % relative humidity | |
| Dust drying | after 30 minutes (degree of dryness 1) | DIN EN ISO 9117-5 |
| Dry to the touch | after 1,5 hours (degree of dryness 4) | DIN EN ISO 9117-5 |
| Full drying | after 5 day/s (pendulum damping) | DIN EN ISO 1522 |
| Cleaning of equipment | EFD dilution 400500 | |

Comments

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| System Coating | Can be integrated into the system coating concept as a horizontal system coating (different coatings with the same look) or vertical system coating (part of a multi-layer structure). For more information, see www.freilacke.de/systemlacke . |
| 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. |



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Test conditions

All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge and 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.