# UR1992M_HU0010
## EFDEDUR-HighSolid-Primer

## Product description

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|---|---|
| **Product technology** | High-solid coating |
| **Application area** | e.g. in the mechanical engineering and plant construction sector |
| **Corrosion protection** | good |
| **Substrate** | Steel, Grey cast iron, Steel, blasted, iron-phosphated steel |

## General product properties

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|---|---|---|
| **Binder-Base** | Acrylic Resin | |
| **Colour** | in accordance with RAL 840 HR<br>other colours on request | |
| **Gloss visually** | matt | |
| **Viscosity** | Flow time 55-60 sec. 4 mm flow cup | DIN 53211 |
| **Density** | 1,59-1,69 g/ml after addition of hardener | theoretical |
| **Solid mass** | 75-77 % after addition of hardener | theoretical |
| **Solid content in volume** | 335-345 % after addition of hardener | theoretical |
| **Reference product** | The specified values refer to the product UR1992MRU735. | |
| **Resistance to storage** | approx. 12 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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| **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 blasted steel plate |
| | Primer | UR1992M<br>Mixing ratio 10:1 HU0010<br>Dry film thickness 80 µm |
| | Top coat | UR1449<br>Coating thickness 50 µm |
| **Note before use** | Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). | |
| **Hardener** | HU0010 | |



DIN EN ISO 9001 | IATF 16949 | EMAS

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| **Mixin ratio** | Parts by weight 10:1<br>Volume parts 6,1:1 | |
| **Thinning** | EFD dilution 400474 | |
| **Processing conditions** | Room temperature 18-24 °C | |
| **Processing time** | max. 2 hrs. / 20 °C<br>The processing time can decrease at higher temperatures and/or under pressure. | |
| **Airless spraying** | delivery viscosity<br>Nozzle 0,33 mm Angle 40°<br>Material pressure 150 bar | |
| **Airmix spraying** | as delivered viscosity<br>Nozzle 0,33 mm angle 40°<br>Material pressure 80-120 bar | |
| **High pressure spraying** | as delivered viscosity after adding curing agent<br>nozzle 1,4 mm<br>spray pressure 4 bar | |
| **Material usage** | without application loss 220-240 g/m²<br>layer thickness 80 µm after addition of hardener | theoretical |
| **Dust drying** | after 30-40 minutes (degree of dryness 1) | DIN EN ISO 9117-5 |
| **Dry to the touch** | after 4,5 hours (degree of dryness 4) | DIN EN ISO 9117-5 |
| **Full drying** | after 14 day/s (pendulum damping) | DIN EN ISO 1522 |
| **Cleaning of equipment** | EFD dilution 400500 | |

## Comments

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| **EFD info** | Further technical information can be found in the EFD Info. No. 170+510. |
| **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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