



UR1422Z_HU0145 EFDEDUR-UHS-Singlelayer

Product description

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| Product technology | Ultra-high-solid coating |
| Application area | e.g. in the vehicle construction sector |
| Resistance to light and weather | very good |
| Corrosion protection | very good |
| Substrate | Steel, Steel, blasted, zinc-phosphated steel, iron-phosphated steel |

General product properties

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| Binder-Base | Acrylic Resin | |
| Colour | in accordance with RAL 840 HR other colours on request | |
| Gloss value | satin glossy | 65-75 GU, Angle 60° |
| Viscosity | 700-1300 mPa*s, spindle 4, 60 revolutions/min. | DIN EN ISO 2813 |
| Density | 1,5-1,7 g/ml after addition of hardener | DIN EN ISO 2555 |
| Solid mass | 78-82 % after addition of hardener | theoretical |
| Solid content in volume | 60-63 % after addition of hardener | theoretical |
| Reference product | The specified values refer to the product UR1422ZS2615. | |
| 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. | |
| | 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 | Steel blasted to Sa 2.5 |
| | Top coat | UR1422Z Mixing ratio 7:1 HU0145 Dry film thickness 80 µm |



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| Note before use | Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). | |
| Hardener | HU0145 | |
| Mixin ratio | Parts by weight 7:1 Parts by volume available on request as dependent on color shade | |
| Thinning | EFD dilution 400500 EFD dilution 400474 | |
| Processing conditions | from 10 °C to 25 °C | |
| Processing time | max. 1,5 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure. | |
| Airless spraying | as delivered viscosity after curing agent addition | |
| Airmix spraying | as delivered viscosity after curing agent addition | |
| High pressure spraying | as delivered viscosity after adding curing agent | |
| Material usage | without application loss 200-215 g/m ² layer thickness 80 µm after addition of hardener | theoretical |
| Oven drying | up to 80 °C possible | |
| Dust drying | after 45 minutes (degree of dryness 1) | DIN EN ISO 9117-5 |
| Dry to the touch | after 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 | |

Further processing of coated pieces

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| Repainting | possible after grinding. Clean the grinded surface removing adhesion-impairing materials afterwards. |
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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. The information provided here contains reference values and does not constitute a specification. |