

| Characteristics | Water-thinnable 1C coating | | | |
|---|--|---|--|--|
| | Application, e.g. in the vehicle construction sector | | | |
| | Fast initial drying | | | |
| | Fast complete drying | | | |
| | Good stone chip resistance | | | |
| | Good flexibility | | | |
| | Anti-drumming compound betw | ween components | | |
| Technical / Physical Data | Binder-Base | Polyurethane resin dispersion | | |
| | Colour | All common colour shades | | |
| | Gloss value DIN EN ISO 2813 | tuff mat 3-10 Angle 85° | | |
| | Viscosity | 7500-8500 mPa.s/ Spindle 1 60 revolution/ min. | | |
| | Thinner | demineralised water | | |
| | pH-Value | 8,0-8,5 | | |
| | Density calculated | 1,2-1,4 g/ml | | |
| | Solid Mass | 61-63 % | | |
| | Solid content in volume calculated | 454-494 ml/kg | | |
| | Material usage theoretical, without application loss | 2400-2800 g/m², Layer thickness 1000 μm | | |
| | Reference colour of the specified values | Colour of WL1710MM2166 | | |
| Substrate | KTL primed | | | |
| Pretreatment | | adhesion-impairing substances such as oil, grease, due. Preliminary tests are recommended for assuring es on the substrate. | | |
| Structure recommendation | Substrate | KTL-primed | | |
| | Top coat | WL1710MM2166 Dry film thickness 1000 μm | | |
| Mechanical Test | Cross-cut-test DIN EN ISO 2409 | Gt 0 | | |
| | Stone chipping test DIN EN ISO 20567-1 | Characteristic value 0 | | |
| Resistance Test | | | | |
| | Condensate constant climate DIN EN ISO 6270-2 (CH) | 240 hours Degree of blistering 0 (S 0) DIN EN ISO 4628-2 | | |
| | | | | |
| 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 | Page: 1 / 3 | Emil Frei GmbH & Co. KG Döggingen Am Bahnhof 6 78199 Bräunlingen GERMANY Phone +49 [0] 7707.151-0 DIN EN ISO 9001 Fax +49 [0] 7707.151-238 | | |
| our terms of business and delivery. | Version: 0 02.04.2023 | IATF 16949 www.freilacke.de EMAS info@freilacke.de | | |

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| Exist spray test (NSS) 240 hours Water ingress Wb < 2 mm DIN EXISC 4229 - 3 Image: The instance Short time loading 60°C Image: Comparison of the instance Next NISC 4229 - 3 Processing and application Chemical resistance Next NISC 4229 - 3 Processing and application Prior to use, str well or mix components homogeneously (e.g., with fast mixer). To prevent skin formation, over-coat with water. Dy film thickness must not exceed 5000 µm - risk of reaction bubbles. Object temperature 10-30 °C Image: Comparison of the instance Room temperature 18-22 °C Processing conditions Room temperature 18-22 °C Processing conditions Room temperature 18-22 °C Image: Comparison of the instance | | | | | |
|--|----------------------------|---|---|--|--|
| Chemical resistance Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome. Processing and application Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water. Dry film thickness must not exceed 5000 µm - risk of reaction bubbles. © Object temperature 10-30 °C Processing conditions Room temperature 18-22 °C Relative humidity 40-60 % Airless spraying as delivered viscosity Nozzle 0.15 mm angle 40° Material pressure 120 bar High pressure spraying as delivered viscosity Nozzle 2.15 mm Spray pressure 3 bar Rolling / painting as delivered viscosity Nozzle 2. mm Spray pressure 3 bar Cleaning of equipment Immediates after mating Over-coating capability dry at the certiset after mating Over-coating capability possible with same quality, ny at the certiset after mating Cleaning of equipment Immediately with water - possibly with addition of 5-10 % by weight EFD cleaning agent 400916. Dried-on equipment with org. solvents, e.g. EFD thinner 400424. Health & Safety at Work guidellines The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous substances, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet. Curing Air drying <th></th> <th></th> <th>Salt spray test (NSS) DIN EN ISO 9227</th> <th>Water ingress Wb < 2 mm</th> | | | Salt spray test (NSS) DIN EN ISO 9227 | Water ingress Wb < 2 mm | |
| Processing and application Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water. Dy film thickness must not exceed 5000 µm - risk of reaction bubbles. | | Ŀ | Temperature resistance | Short time loading 60°C | |
| Curing is a driving Air drying at 20 °C, 50 % relative humidity with air movement and exceed for an intervent of the standard personal safety precautions movement Curing Air drying at drying at after 30 min. (degree of drying 1/ DIN EN ISO 9117-5) Four drying at dress are stall y ackages are to be used within a short time. The minimum storage stability of each batch is stated on the product label. The maintervel drying drying after 10 are stated on the product label. The maintervel drying ackages are to be used within a short time. | | | Chemical resistance | The temperature and concentration of chemicals have a major influence on | |
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| Image: Processing conditions Room temperature 18-22 °C Relative humidity 40-60 % Image: Airless spraying as delivered viscosity Nozzle 0,15 mm angle 40° Material pressure 120 bar Image: High pressure spraying as delivered viscosity Nozzle 2 mm Spray pressure 3 bar Image: Rolling / painting as delivered viscosity Nozzle 2 mm Spray pressure 3 bar Image: Rolling / painting as delivered viscosity Nozzle 2 mm Spray pressure 3 bar Image: Rolling / painting as delivered viscosity possible with same quality, dry at the earliest after matting Image: Rolling / painting as delivered viscosity possible with same quality, dry at the earliest after matting Image: Rolling / painting materials. Delialed information about dangerous substances, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet. Image: Rolling / drying after 30 min. (degree of drying 1/ DIN EN ISO 9117-5) Image: Rolling / painting after 10 days (pendulum damping/DIN EN ISO 1522) Image: Rolling / drying after 10 days (pendulum damping/DIN EN ISO 1522) Image: Rolling / painting after 10 days (pendulum damping/DIN EN ISO 1522) Image: Rolling / drying after 10 days (pendulum damping/DIN EN ISO 1522) Image: Rolling drying after 10 days <br< td=""><th></th><td colspan="3">Dry film thickness must not exceed 5000 μm - risk of reaction bubbles.</td></br<> | | | Dry film thickness must not exceed 5000 μ m - risk of reaction bubbles. | | |
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| | suitable for the intended application. |
|-------------------|--|
| Specific comments | EFD-info Refer to the EFD information for further technical information. Nr. 111 + 510 |
| | 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. |



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