Technical Datasheet





| Characteristics | owder coating for use on industrial exteriors | | | | |
|---|--|---|--|--|--|
| | ■ Application, e.g. in the construction and sanitary sector | | | | |
| | ■ mat, micro structure | | | | |
| | Very good resistance to chemicals | | | | |
| | ■ Uniform surface structure across a range of 60 to 100 µm | | | | |
| | Good light and weather resistance | | | | |
| System Coating | System Liquid Coating | | | | |
| | For various applications, there are coatings available, whose optical appears regarding colour, gloss degree and surface is in optimum balance. | | | | |
| Technical / Physical Data | inder-Base polyurethane (non-separating) | | | | |
| | loss value mat | | | | |
| | est layer thickness 80 µm by colour RAL 9010 | | | | |
| | ensity 1,2-1,7 g/cm³ colour-dependent | | | | |
| | laterial usage 0,12 kg/m² with 80 µm mean test layer thickness | | | | |
| Mechanical Test on steel panel ST 1405 | ross-cut-test Gt 0 N EN ISO 2409 | | | | |
| | richsen index >3 mm N EN ISO 1520 | | | | |
| | npact-Test >40 kg cm (front) N EN ISO 6272-1 | | | | |
| Resistance Test | n zinc phosphatized steel plate | | | | |
| | ondensate constant climate N EN ISO 6270-2 (CH) Water ingress Wb < 1 mm DIN EN ISO 4628-8 | | | | |
| | alt spray test (NSS) 500 hours N EN ISO 9227 Water ingress Wb < 1 mm DIN EN ISO 4628-8 | | | | |
| | O2-industry atmosphere NEN ISO 3231 10 cycles at 0,2 I SO 2 no change | | | | |
| | hemical resistance Needs to be checked. The temperature and concentration of chave a major influence on the test outcome. | | | | |
| Processing and application Dependent on plant and buildings | rocessing / Loading orona | | | | |
| | retreatment he substrate must be free of adhesion-impairing substances such as oilust, scale, rolling skin, wax and separating agent residue. requirements are more demanding than this, we recommend appropriations hosphatizing or chromatizing. | _ | | | |

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 and delivery.

Page: 1 / 2 Version: 0 16.05.2021 DIN EN ISO 9001 IATF 16949 EMAS Emil Frei GmbH & Co. KG

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■ Touch-up coating: on enquiry

Health & Safety at Work guidlines

The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

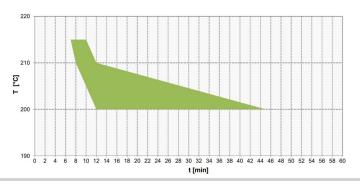
Curing

Object temperature

Recommended baking temperature 12 min./200 °C

Baking window tested in colour shade RAL 9010 green cross-hatching = baking conditions with good final properties

| Objekt Temperatur °C Object Temperature °C | 200 | 210 | 215 | |
|---|-----|-----|-----|--|
| Haltezeit Minimum Minuten Holding time minimum Minutes | 12 | 8 | 7 | |
| Haltezeit Maximum Minuten Holding time maximum Minutes | 45 | 12 | 10 | |



Resistance to storage

Approx. 24 month in original packagings at an ambient temperature of 5 to 25 °C. Powder coatings must be stored in a cool and dry place.

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.

Specific comments

- Protective screening: 160 µm
- Compatibility with other powder coatings: Needs to be checked

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.