Technical Datasheet

Powder Coating
RRS PRIMER V

RIMCO RIMS RENOVATION SYSTEM Supplied by Frei Lacke

Characteristics	■ Powder coating primer for light-alloy wheels ■ Application e.g. in the automotive sector ■ High glossy, smooth ■ Good mechanical resistance and surface hardness ■ Degassing setting ■ Very smooth to apply	
System Coating	■ System Liquid Coating For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.	
Technical / Physical Data	■ Binder-Base	epoxy polyester resin
	■ Colour	RAL 7004 or RAL 9005
	■ Gloss value visual	high glossy
	■ Test layer thickness	80 µm by colour RAL 7004, RAL 9005
	■ Density calculated	1,2-1,7 g/cm³ colour-dependent
	■ Material usage	0,12 kg/m² with 80 µm mean test layer thickness
Mechanical Test on steel panel ST 1405	■ Cross-cut-test DIN EN ISO 2409	Gt 0
	■ Erichsen index DIN EN ISO 1520	>3 mm
	■ Impact-Test DIN EN ISO 6272-1	>60 kg cm (front)
Resistance Test	■ on chromatized aluminium	
	■ Condensate constant climate DIN EN ISO 6270-2 (CH)	240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8
	■ Salt spray test (CASS) DIN EN ISO 9227	240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8
	■ Chemical resistance	Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.
Processing and application Dependent on plant and buildings	■ **Processing / Loading** Corona	
	■ **Pretreatment** The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing.	
	■ **Touch-up coating:** on enquiry	
	■ **Health & Safety at Work guidlines**	

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.

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	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 10 min./160 °C
Resistance to storage	■ Approx. 36 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.

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