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## TECHNICAL DATA SHEET

### R-epox enamel topcoat

*Air-drying, two component paint*

<b>Colours:</b>	R-epox enamel topcoat in all RAL colours
<b>Field of application:</b>	<p>For the outdoor and indoor protection of iron and steel surfaces, mineral surfaces and wood surfaces, which are exposed to chemicals and corrosion. Due to chalking, in outdoor applications overcoating with an additional, polyurethane enamel is recommended.</p> <p>R-EPOX coatings are silky gloss, tough, resistant to water and chemicals.</p>
<b>Appearance:</b>	<p><b>A</b> component: homogenous suspension</p> <p><b>B</b> component: brown liquid</p>
<b>Efflux time (DIN4, 20°C):</b>	<p><b>A</b> component: 100s</p> <p><b>B</b> component: 13s</p>
<b>Non volatile content:</b>	<p><b>A</b> component: min. 55 m/m%</p> <p><b>B</b> component: min. 35 m/m%</p>
<b>Mass mixing ratio:</b>	<b>A:B 5:1</b>
<b>Pot life (20°C):</b>	8 hours
<b>Shelf life:</b>	6 months from production if stored between +5 and +25°C.

#### **PROPERTIES AND APPLICATION INSTRUCTIONS (MIXTURE)**

<b>Substrates:</b>	steel
<b>Surface pre-treatment:</b>	Substrates must be clean, dry and free from any contamination. All oil, dirt, grease, dust, foreign material and oxide layer must be removed prior to coating.
<b>Processing:</b>	Mix components „A” and „B” in the stated mixing ratio, and obtain the viscosity suitable for spraying by adding 10-20 % R-EPOX thinner as necessary. Keep the pot life in mind and do not prepare more mixture than will be used within about 8 hours.

R-EPOX enamel can be applied in 1 or 2 layers onto substrates coated with R-EPOX primer. Application of the second R-EPOX layer is recommended after a six hours' interval of drying. If the interval between the applications of two layers exceeds 48 hours, the coating needs sanding before overcoating. The recommended layer structure of a coating system for outdoor application:

2 layers of R-EPOX primer (80-90 µm)

1 layer of R-EPOX enamel (40-50 µm)

1-2 layers of Purakril topcoat (30-50 µm)

**Drying and cure:**

Coating reaches ready-to-touch drying stage at 20°C, in 1 hour. Full curing takes 24 hours at room temperature, or 30 minutes at 90°C.

At a raised temperature the curing time is considerably shorter.

**Theor. spreading rate:**

6-8 m<sup>2</sup>/kg 25 µm DFT

**Thinning:**

with R-EPOX thinner.

**Clean up:**

Tools and surfaces contaminated with paint can be cleaned with some organic solvent.

**Safety precautions:**

This paint is for use only by professional applicators in accordance with information in this Technical Data Sheet and the applicable Material Safety Data Sheet (MSDS). Refer to the product MSDS before using this material.

*We recommend the field of application and usage technologies according to our best technical knowledge. These recommendations do not substitute for the detailed application technology / method statement which has to be developed with respect to the local circumstances and application requirements. In this sense this TDS should be considered as information only.*