

## TECHNICAL DATA SHEET

### Purakril enamel

*Air-drying, two component paint*

<b>Colours:</b>	PURAKRIL high-gloss enamel in all RAL colours PURAKRIL silky gloss enamel in all RAL colours PURAKRIL lacquer
<b>Field of application:</b>	PURAKRIL is a two-component finishing paint for metal substrates e.g. motor vehicles and steel structures exposed to corrosive outdoor conditions.  Coatings made with PURAKRIL enamels are tough, flexible, weather-resistant and are not apt to chalk or to change their colour. It preserves their decorative appearance and other advantageous properties through long periods of time. PURAKRIL enamels are very useful in cases when the application of stoving enamel is indicated but the size or material of the substrate does not allow stoving.
<b>Appearance:</b>	<b>A</b> component: homogenous suspension <b>B</b> component: clear liquid
<b>Efflux time (DIN4, 20°C):</b>	<b>A</b> component: 100s <b>B</b> component: 12s
<b>Non volatile content:</b>	<b>A</b> component: min. 50 m/m% <b>B</b> component: min. 38 m/m%
<b>Mass mixing ratio:</b>	<b>A:B 3:1</b>
<b>Pot life (20°C):</b>	4 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 (coated with a primer)
<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.

**Processing:**

PURAKRIL enamels are used to creating a finishing enamel layer. It provide tough, durable, weather-resistant and decorative coatings if used in the following coating system:

1 layer of R-EPOX primer

1 PURAKRIL intermediate layer

1-2 layers of PURAKRIL enamel

PURAKRIL enamels can be applied by spraying.

Measure out the necessary quantities of components „A” and „B” in the stated ratio and thoroughly stir the mixture. Adjust the consistency of the mixture to the value necessary for easy application by adding PURAKRIL thinner as necessary. Spraying viscosity should be 20-24 sec (Ford 4, 20°C). Use all the thinned mixture within 4 hours after mixing. If ambient temperature exceeds 20°C, the pot-life may be shorter. Apply the paint onto a sanded, dry and dust-free surface in 1-2 layers.

**Drying and cure:**

Coating reaches ready-to-touch drying stage at 20°C, in 2 hours In case of applying two layers the second layer can be applied after a drying time of 8 hours. If curing is performed at a raised temperature (about 90°C), let the part sprayed with the enamel dry for 5-10 minutes and put it into the oven afterwards.

The coating will dry in 24 hours at room temperature, but will not reach its final hardness before 7 days. 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 PURAKRIL thinner as necessary

**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.*