50050 CORADUR

DESCRIPTION

A two-component, semi-gloss topcoat based on acrylic polyurethane resin and cured with aliphatic isocyanate. Its high colour stability and UV resistance help preserve gloss and colour for a long time. It adheres strongly to the applied surface and spreads easily thanks to special additives.

APPLICATIONS

- Steel structures and storage tanks
- Machinery and equipment
- Industrial facilities
- Maintenance and repair coatings
- General metal surfaces

COLOURS

RAL colours and custom company colours

PRODUCT DATA

Gloss	30 - 50 GU
Volume solids	70 ± 3%
Density (kg/L)	1.30 ± 0.1
Theoretical coverage (m²/kg)	10.80

MIXING DATA

Hardener code	52150
Mixing ratio by weight	6 / 1
Thinner	Polyurethane thinner
Thinning ratio by weight	0 - 20%

The thinning ratio may vary depending on application equipment, the required dry film thickness, etc. Using a thinner other than the recommended one may cause problems with viscosity, dry spray, drying, pot life and other properties. Following the specified mixing values is directly related to product performance. Mix mechanically with an explosion-proof mixer until homogeneous. The product temperature must be at least 15 °C to obtain a homogeneous mixture. Allow the mixed paint to stand for at least 10 minutes before application. Use the mixed paint within its stated pot life.

DRYING TIMES

	5 °C	20 °C	60 °C
Dust dry	2 - 3 h	50 - 80 min	-
Touch dry	4 - 6 h	2 - 4 h	-
Hard dry	24 h	12 h	1 h
Full cure		7 days	

Drying times apply at the specified dry film thickness and relative humidity below 85%. Greater application thickness increases drying time.

SURFACE PREPARATION

Steel surfaces: The surface must be free of oil, dirt and dust. If the primer has been applied within the maximum overcoating interval, abrade the surface by sanding before applying the topcoat.

Previously painted surfaces: Remove oil, dirt, grease and other contaminants with a suitable cleaner. Wash off salts and other contaminants with high-pressure mains water. Abrade sound old paint using a suitable method to improve adhesion. Before repainting, mechanically remove flaking or deteriorated coating back to sound paint to St 2 - St 3 in accordance with ISO 8501-1. Depending on application and ambient conditions, an alternative is to prepare to at least Sa 2, preferably Sa 2½.

Touch-up: The area must be clean, dry and free of oil, dirt, dust and other contaminants. After preparing to Sa 2½ in accordance with ISO 8501-1, touch up with the same paint.

STORAGE

Store the product in its original, tightly closed container at 10 - 35 °C in a dry, enclosed, ventilated place protected from direct sunlight. The day-to-night temperature difference during storage must not exceed 10 °C. If Component A is stored for more than 3 months, turn the container upside down for the following 3 months. Under these conditions, shelf life is 6 months.

PACKAGING

Fill quantity (kg)	Component A	Component B
	21	3.5

For professional use only. This technical data sheet is based on laboratory data. Please consult our technical staff for details not adequately covered above. The manufacturer accepts no liability for errors arising from insufficient information. We reserve the right to revise this information.

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