Technical Data Sheet

80071 CORATHERM ONYX

DESCRIPTION

Single-component silicone-resin topcoat that air-dries and heat-cures. It can be applied directly to metal without primer and withstands service temperatures up to 600°C.

AREAS OF USE

- Steel structures
- Machinery and equipment
- Industrial plants
- Maintenance and repair
- General metal surfaces

COLOUR

Black

PRODUCT PROPERTIES

Gloss	-
Volume solids	45 ± 3
Density	1,2 ± 0,1
Theoretical coverage (m²/kg)	12,50 (30 µ)

MIXING INFORMATION

Hardener code: -

Mix ratio by weight: -

Thinner: -

Thinner by weight: -

Thinning depends on application equipment and required dry film thickness. Use only the recommended thinner. Mix mechanically until homogeneous. For best homogeneity, condition the material above 15°C. Allow the mixed material to stand for at least 10 minutes before application and use within its pot life.

DRYING TIMES

Stage	5°C	20°C	60°C
Dust dry	30 - 60	15 - 30	-
Touch dry	2 - 4	45 - 60	-
Hard dry	6 - 8	1 - 2	-
Full cure	-	7 days	-

Drying times apply at the specified film thickness and below 85% relative humidity. Greater film thickness may extend drying time.

SURFACE PREPARATION

Steel: Remove oil, dirt and dust. Abrade the surface if the primer has exceeded its maximum overcoating interval. Previously painted surfaces: remove oil, grease, salts and other contamination. Wash salts and contaminants with high-pressure water. Abrade sound old coatings to improve adhesion. Remove loose and degraded coating mechanically to St 2-St 3 in accordance with ISO 8501-1; Sa 2, preferably Sa 2½, may be used where conditions require. For touch-up, the surface must be clean and dry; prepare to Sa 2½ and repair with the same coating.

STORAGE

Store in the original, tightly closed container at 10-35°C in a dry, enclosed and ventilated place, protected from direct sunlight. Day/night temperature variation should not exceed 10°C. If Component A is stored for more than 3 months, turn the container upside down during the next 3 months. Shelf life under these conditions: 6 months.

PACKAGING

Filling quantity: 15 kg

For professional use only. This technical data sheet is based on laboratory data. Consult technical staff for details not covered above.
Errors arising from insufficient information do not create liability for the manufacturer. The company reserves the right to change this information.

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