

TECHNICAL DATA SHEET

COATIX®

Steelcoat Finish P430

(Aliphatic Acrylic Polyurethane Topcoat Paint)

Product Description

Aliphatic acrylic polyurethane resin based, two-component, high solids, glossy topcoat paint. It is used as a topcoat on structures exposed to atmospheric conditions. It has excellent adhesion, UV resistance, elasticity, and long-lasting gloss. It provides high resistance to yellowing and mechanical effects, as well as good chemical resistance.

Product Code:

Fields of Application

- Metal structures, bridges, warehouses, factories
- Outer surfaces of storage tanks and pipelines
- Ship superstructures
- Industrial and port facilities
- Petroleum refineries and chemical plants
- As a protective coating on concrete surfaces
- Used as a topcoat on structures exposed to open atmosphere and sunlight where high color and gloss retention is required

Technical Properties

Gloss (GU 60°)	Glossy (70–85)
Color	Produced according to RAL codes
Density	1.50 ± 0.10 g/ml
Hardener Ratio (by weight)	90/10
Application Viscosity	18–25 sec / DIN CUP 4 / 20°C
Thinner	Coatix® Thinner P400
Solids by Volume	65 ± 2%
Pot Life (at 20°C)	2 hours
Flash Point	> 32°C
Application Method	Air spray, airless spray, roller
Drying Time (at 20°C)	Dust-free: 20 min / Touch dry: 60 min / Assembly dry: 8 hours
Dry Film Thickness	65 µm
Wet Film Thickness	100 µm
Theoretical Coverage	12–13 m²/L (for 50 µm dry film thickness)

Application Conditions

For best results: application and/or curing should be carried out between 5°C and 35°C. Surface temperature should be at least 3°C above the dew point. Relative humidity should not exceed 80%. Proper ventilation must be ensured during application.

User Guide

Surface Preparation

The specified recoat intervals for primer or intermediate coat must be observed. If these intervals are exceeded, the surface should be roughened before applying the topcoat. Ensure the surface is completely clean before starting application.

Mixing

Component A of Coatix® Steelcoat Finish P430 should be mixed with Component B in a 9:1 ratio by weight. If necessary, add 5–15% Coatix® Thinner P400 to achieve application viscosity. Mix mechanically until a homogeneous mixture is obtained.

Allow the mixture to rest for 10–15 minutes before application.

Paint Application

For best results, apply at 20°C. Consider environmental conditions, film thickness, and equipment data during application.

Air Spray:

- Nozzle type: Spray gun 1.6–1.8 mm / Pressure pot 1.4–1.6 mm
- Minimum nozzle pressure: 3.2 bar
- Pot pressure: 1.6 bar

Airless Spray:

- Nozzle size: 0.013–0.019 inch
- Minimum pressure: 150 bar / 2100 psi

Roller/Brush:

Recommended for small areas and touch-ups. Take care to achieve the required dry film thickness.

Mixing Ratio

A/B: 18.0 kg + 2.0 kg = 20 kg

Consumption

12–13 m²/L (for 50 µm dry film thickness)

Cleaning of Tools

Clean all used equipment and tools with Coatix® Thinner P400 immediately after application.

Storage Conditions and Shelf Life

Containers must be sealed and labeled completely. Store in a dry, cool, and well-ventilated area between 15–25°C, away from direct sunlight and open flames.

Follow the Material Safety Data Sheet (MSDS) and legal storage requirements.

12 months from production date under proper storage conditions.

Safety Precautions

Please pay attention to the safety symbols and warnings on the package.
Follow the health and safety information provided in the Material Safety Data Sheet (MSDS).
Ensure good ventilation during application. Use protective equipment such as mask, gloves, and goggles. Avoid direct contact and do not inhale vapors. Keep away from open flames.

Liability

Our company is only responsible for the quality of the product itself.
We are not responsible for misuse or use outside written recommendations.
For further information, please request a product brochure or contact our representatives.

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