

CORROLESS RF61

TWO PACK POLYURETHANE REINFORCED FINISH - GLOSS

DESCRIPTION

A two component, glass reinforced, aliphatic polyurethane gloss finish.

PRODUCT FEATURES AND RECOMMENDED USES

- Excellent gloss retention.
- Tough durable finish, good anti-abrasion resistance and weathering characteristics.
- Glass reinforced for increased impermeability.
- Excellent chemical resistance.
- Indefinitely recoatable.
- Suitable for urban, marine and industrial environments.
- Applications include piping, cranes, mechanical equipment, bridges, storage tank exteriors, chemical plants and other structural steel.

TECHNICAL DATA

Volume Solids (±2%)

53%.

Specific Gravity

1.1 to 1.3 kg/litre (mixed material) depending on colour.

Film Thickness

Wet Film 56 - 113 microns. **Dry Film** 30 - 60 microns.

Theoretical Coverage

13.2 m²/litre at 40 microns dft. Practical coverage rate can vary depending on application method, temperature, profile and porosity of the substrate.

Mixing Ratio

5:1 by volume (base to hardener).

Pot Life (at 18°C)

4 hours.

Drying Times (at 40 microns dft)

	10°C	18°C	30°C
Dust Free	2 hours	1½ hours	45 mins
Hard Dry	6 hours	4 hours	2 hours
Overcoating Minimum	24 hours	16 hours	12 hours
Maximum	Indefinite	Indefinite	Indefinite

Thinners and Cleaning Solvent

Corroless Thinners No.5. (Solvent Gun Wash may be used for cleaning only).

Finish

High Gloss.

Colours

Available in a wide range of colours.
Certain shades may contain lead colourants and these are labelled RF61 (L).

Storage

Store in dry, cool conditions and protect from frost .

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APPLICATION DETAILS

Surface Preparation

All surfaces when coated should be firm, clean, dry and free from all oil, grease, and other contamination. This is a finish coat and should be applied over Corroless primers or intermediate coats.

Recommended primers: Corroless E or Corroless EPF.

Intermediate coats: Corroless RF30 or Corroless RF31.

Application

Always follow the overcoating time for the selected primer.

Method	Airless Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2200-2500 psi	Yes – thinning required	Yes	Yes
Tip size	13-18 thou			
Fan angle	30° - 65°			

Spraying

Caution contains **isocyanate**. Ensure adequate ventilation and wear air fed hood when spraying. An addition of 5-10% Corroless Thinners No.5 is recommended for best results when airless or conventional spraying.

Brushing/Rolling

Product can be applied by brush or roller, although due to fast curing properties intricate structures should be avoided using these methods.

Mixing

Mix each component separately prior to thoroughly mixing together for 2 to 3 minutes at medium speed. Always use a mechanical agitator. Ensure product is used only in the proportions recommended.

Stripe coating

Stripe coat all edges, nuts, bolts, welds etc.

Application Temperature

Range 5°C - 25°C.

Ambient conditions

High humidity and condensation will impair gloss. Only apply in conditions of good ventilation, which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

Overcoating

Overcoatable with itself and Corroless Anti-graffiti topcoats. If overcoating time exceeds 24 hours and contamination has occurred, clean using a detergent solution/fresh water rinse and allow to dry before continuing.

Flash Point

21-32°C.

Health and Safety

At all times observe precautionary notices on containers. Refer to Material Safety Data Sheets available from Corroless on request.