

REC PRIMER 8002

SOLVENT FREE

DESCRIPTION

A two component, solvent free concrete, metal & wood primer system based on polyurethane-urea.

PRIMARY APPLICATIONS

REC PRIMER 8002 is a high-performance urethane primer designed for use on concrete, steel, and wooden substrates. Solvent free, deep penetrating and easy to apply, with long recoat windows up to 24 hours.

REC PRIMER 8002 exhibits bubble free films on dry surfaces. It exhibits low sensitivity to substrate moisture, leaving only minimal bubbling when applied to damp surfaces.

FEATURES/BENEFITS

- 100% solids.
- Penetrates and seals the surface, leaving a smooth, pinhole and bubble free coating.
- Excellent adhesion to a variety of substrates.
- Good physical properties.
- Outstanding stability at low temperatures.
- May be applied on damp surfaces.
- Long working time of up to 45 minutes

TECHNICAL INFORMATION

Tensile Strength (Psi)	2,400
Elongation (%)	45
Modulus of Elasticity (Psi)	47,900
Tear Strength, psi	200
Topcoat Adhesion (Psi,	>500
Product Physical Form	Liquid
Binder Type	Urethane
Color	Clear amber
Appearance	Smooth gloss
Mixing Ratio (Volume)	1:1
Volume Solids	100%
Viscosity @ 25°C	45 cp
Recommended WFT	75 – 125µm (Wet Film Thickness)
Recommended DFT	75 – 125µm (Dry Film Thickness)
Theoretical Coverage	8 – 13.3 m ² / Lt per coat, allowance should be made for site application losses & surface profile
Method of Application	Brush, roller, or airless spray.
Processing Temperature	Ambient
Pot Life	45 minutes @ 20°C
Tack Free	4 hours @ 20°C
Recoat Time Minimum	2 Hours @ 20°C
Recoat Time Maximum	24 hours without re-activation
Over 12 Hours Recoat	Abrade, de-dust and re-primer with REC PRIMER 8002

DIRECTIONS FOR USE

SURFACE PREPARATION:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using Degreaser.
- Fungal growth or algae can be removed using Fungicidal Wash.
- Laitance and loose particles must be removed thoroughly i.e., grinding /high pressure cleaning.
- Moisture content of concrete surfaces should not exceed 4%.
- Surfaces must be abraded by mechanical means and de-dusted prior to application.

APPLICATION:

To prepare the system for application, mix the appropriate volume of materials together for approximately 2 minutes. At this point, a cloudy liquid will result which will eventually become clear and amber. Shortly thereafter, a slight exothermic reaction will become noticeable, and the mixture will increase in viscosity. This will indicate end of the pot life. Use material before exotherm takes place. Application is best made using airless spray, brush or roller taking care to ensure complete coverage of the required areas without over applying which could cause localized stresses in the finished system.

Overcoating time should be strictly adhered to.

All equipment should be cleaning directly after use using MEK solvent.

PACKAGING

REC PRIMER 8002 is available in various packaging and can be supplied on the Client's demand.

STORAGE

12 months in original un-opened containers in dry places at 25°C. no direct sunlight and temperatures above 30°C or below 5°C

HEALTH & SAFETY

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

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