IsoPrime CP100

IsoPrime CP100 is a high performance, two-component polyurethane primer system designed for use on concrete. IsoPrime CP100 is to be used at a 1:1 ratio by volume. Bubble free films can be produced when used on dry substrates, up to a 50mil thickness. IsoPrime CP100 exhibits low sensitivity to substrate moisture, leaving only minimal bubbling when applied to damp substrates.

APPLICATIONS

- Concrete and wood primer for polyurethane and polyurea spray coati
- Decking
- Industrial flooring
- Pipeline and Tank coatings
- Roofing
- Truck Bed liners

PRODUCT ADVANTAGES

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

*Values given are not intended to be used in specific preparation

Component Properties	
Color - ISO	Brown
Color - POL	Yellow
Specific Gravity - 74°F, ISO	1.22
Specific Gravity - 74°F, POL	0.96
Viscosity - ASTM D-2196 - 74°F, ISO	45 cps
Viscosity - ASTM D-2196 - 74°F, POL	700 cps
% Solids	100 %
Reactivity Profile	
Ratio by Volume - ISO:POL	1:1
Pot Life - 100g	45 Minutes
Typical Physical Properties	
Tear Strength - ASTM D624, Die C	200 pli
Tensile Modulus - ASTM D412	47900 psi
Elongation - ASTM D412	45 %
Theoretical Coverage per Gallon - 5 mils DFT	300 sq/ft

RECOMMENDED HANDLING INSTRUCTIONS

Isotec® International's Recommended Application and Handling Instructions
-Use only in well-ventilated areas.
-Wear chemically resistant rubber gloves, safety glasses, and an apron.
-Avoid prolonged or repeated contact with skin.
-In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
-In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
-If swallowed or comes into contact with eyes, seek medical attention immediately.

Surface Preparation:
Surface must be properly prepared prior to applications. This could entail scrubbing, high pressure detergent washing, steam cleaning or solvent wiping of the surface to remove dirt, oil, grease, pollutants and other contaminants. Allow the suface to thoroughly dry. Once dry, remove loose or excess mortar or other material that may work to impair adhesion.

Mixing:
Using two clean, dry, plastic containers of equal size, measure equal amounts of the ISO and POL. Make sure that ISO and POL are at room temperature before mixing them. Please note that in cold weather it may take up to 24 hours for the ISO and POL to reach room temperature. Pour the ISO and POL into another clean, dry, plastic container. Scrape the ISO and POL containers to move all of the material into the mixing container. Combine the two ingredients for 2 minutes. Be sure to scrape the sides and bottom of the mixing container while combining the two ingredients. You must mix the ISO and POL completely so that IsoPrime CP100 will cure correctly. At this point, a cloudy liquid will result which will eventually become clear and amber. Shortly thereafter, a slight exotherm will become noticeable and the mixture will increase in viscosity. The actual working time will depend on the enviornmental temperature, as well as, the

temperature of the ISO and POL.

Application:
Material can be applied by brush, roller, or low pressure spray equipment. Ensure the product is applied in an even and uniform manner, making sure recesses and edges are thoroughly coated.

STORAGE

Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will lead to the formation of insoluble ureas and carbon dioxide gas which can result in pressure buildup inside closed containers. This buildup of pressure can potentially result in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

The ISO and POL are resistant to short-term exposure to low temperatures; however, low temperatures will result in increased viscosity, which makes handling more difficult. The recommended storage tempearture is 60 to 95°F.

SAFETY

-Refer to the product SDS for all relevant safety information.

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