

IsoCoat URP 7010 UV

IsoCoat URP 7010 UV is a 1:1 by volume, slow curing polyurethane resin with added UV stability. It is suitable for hand or machine mix and cures to a hard and durable coating.

APPLICATIONS

- Fiber Reinforcement @a minimum of 80 mils
- Industrial
- Textiles
- Theming

PRODUCT ADVANTAGES

- Convenient Mix Ratio
- High tensile and tear strength
- UV protection

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

Component Properties

Color - ISO	Light Yellow
Color - POL	Clear
Specific Gravity - 74°F, ISO	1.168 - 1.178
Specific Gravity - 74°F, POL	.94 - 1.137
Viscosity - ASTM D-2196 - 74°F, ISO	130 - 210 cps
Viscosity - ASTM D-2196 - 74°F, POL	315 - 445 cps

Reactivity Profile

Ratio by Weight - ISO:POL	1.1:1
Ratio by Volume - ISO:POL	1:1
Pot Life - 100g	3.30 - 4.0 Minutes
Gel Time	4.5 - 5.5 Minutes
Sprayed Gel Time	3.5 Minutes
Tack Free Time	7 - 10 Minutes
Full Cure	72 Hours

Typical Physical Properties

Hardness - ASTM D2240 - Shore D	65 - 70 Shore D
Tear Strength - ASTM D624, Die C	975 pli
Tensile Modulus - ASTM D412	191000 psi
Tensile Strength - ASTM D412	5850 psi
Elongation - ASTM D412	12.5 %
VOC	2.3 g/L
Izod Impact Notched - ASTM 256A	5.51 ft.lb/in
Izod Impact Unnotched - ASTM 256E	7.38 ft.lb/in

RECOMMENDED HANDLING INSTRUCTIONS

POL side should be mixed or recirculated periodically to remix pigment and moisture absorbing powders.

Always mix/roll POL side prior to use to ensure a homogenous product.

When finishing application of coating the next day:

Lightly abrade the sprayed surface to remove gloss. Remove dust and clean surface with a solvent such as acetone or isopropyl alcohol. Allow solvent to dry for 30 minutes before spraying the coating. Do not spray past the area that has been prepared.

STORAGE

Protect Iso and Pol side from moisture. If the Iso side material is exposed to moisture, including moisture from the air, it will release CO² gas. If placed in a sealed container, this gas can cause a dangerous build up of pressure potentially resulting 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.

SAFETY

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

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- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
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