

## IsoCoat URP 7011

IsoCoat URP 7011 is a 1:1 by volume, slow curing polyurethane resin. It is suitable for hand or machine mix and cures to a hard and durable coating. URP 7011 is available in Black, Gray, Yellow or other Custom colors. When used for fiber reinforcement a minimum thickness of 80 mils is recommended.

### APPLICATIONS

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

### PRODUCT ADVANTAGES

- Convenient Mix Ratio
- High tensile and tear strength

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

### Component Properties

Color - POL	black, gray, yellow
Specific Gravity - 74°F, ISO	1.15
Specific Gravity - 74°F, POL	1.05
Viscosity - ASTM D-2196 - 74°F, ISO	150 - 225 cps
Viscosity - ASTM D-2196 - 74°F, POL	350 - 400 cps

### Reactivity Profile

Ratio by Weight - ISO:POL	1.1:1
Ratio by Volume - ISO:POL	1:1
Pot Life - 100g	5.5 - 6.5 Minutes
Gel Time	5.5 - 6.5 Minutes
Sprayed Gel Time	5 Minutes
Test Temperature	74 °F
Full Cure	72 Hours

### Typical Physical Properties

Hardness - ASTM D2240 - Shore D	70 - 75 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

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

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

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 CO<sup>2</sup> 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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