

## Acrylobond FX FR

Acrylobond FX FR is a high Shore D, polyurethane coating. Acrylobond FX FR's flexibility makes it an ideal coating for mold making or theming.

### APPLICATIONS

- Mold Making
- Theming

### PRODUCT ADVANTAGES

- Low Cost

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

### Component Properties

Color - ISO	brown
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Color - POL	white to pink
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Viscosity - ASTM D-2196 - 74°F, ISO	2700 cps
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Viscosity - ASTM D-2196 - 74°F, POL	1300 cps
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### Reactivity Profile

Ratio by Weight - ISO:POL	0.85 - 1
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Ratio by Volume - ISO:POL	1 - 1
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Gel Time - 100 gram sample, 74°F	36 Seconds
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Sprayed Gel Time	10 Seconds
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Sprayed Tack Free Time	18 Seconds
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### Typical Physical Properties

Flexural Modulus - ASTM D790	122000 psi
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Flexural Strength - ASTM D790	4720 psi
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Hardness - ASTM D2240 - Shore D	78 Shore D
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Tear Strength - ASTM D624, Die C	650 pli
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Tensile Strength - ASTM D412	3400 psi
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Elongation - ASTM D412	9 %
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Impact Resistance - ASTM D2794	84 in.lbs
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ANSI 124.2	MEETS
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### RECOMMENDED HANDLING INSTRUCTIONS

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

Spray Acrylobond FX FR onto surface from approximately 2-3 feet away. Fluid pressures should always be maintained at a minimum of 1100 psi (typical range is 1300-1400psi). An electronic quality control system is available from Isotec with alarms to alert the spray technician to deficient pressures and other key process parameters. If these fluid pressures cannot be maintained due to a lack of air supply or equipment malfunctions, all production should be stopped until the problem is corrected.

## STORAGE

### 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<sub>2</sub> gas. If placed in a sealed container, this gas can cause a dangerous buildup 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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Date Modified 6/22/2023

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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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