

Acrylobond FX

Acrylobond FX is a high Shore D, polyurethane coating. Acrylobond FX'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

Color - POL white to pink

Viscosity - ASTM D-2196 - 74°F, ISO 2700 cps

Viscosity - ASTM D-2196 - 74°F, POL 1550 cps

Reactivity Profile

Ratio by Weight - ISO:POL 84 - 100

Ratio by Volume - ISO:POL 1 - 1

Gel Time - 100 gram sample, 74°F 36 Seconds

Sprayed Gel Time 10 Seconds

Sprayed Tack Free Time 18 Seconds

Typical Physical Properties

Flexural Modulus - ASTM D790 122000 psi

Flexural Strength - ASTM D790 4720 psi

Hardness - ASTM D2240 - Shore D 78 Shore D

Tear Strength - ASTM D624, Die C 560 pli

Tensile Strength - ASTM D412 2700 psi

Elongation - ASTM D412 26 %

Impact Resistance - ASTM D2794 84 in.lbs

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.

Spray Acrylobond FX 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.

If a two component system under Application and Handling:

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

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 CO₂ 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.

Date Modified 3/14/2018

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- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- 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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