



## TECHNICAL DATA SHEET

# SCR-FZ-88

**SCR-FZ-88** is a solvent free two component, polyurea polyurethane hybrid cast elastomer. This product has been designed for use in concrete joint repair and protection. The quick rate of cure allows the product to receive light to moderate traffic within 20-30 min of cure time. Full cure is usually reached within 24 hours. This product is intended for indoor use with a 1:1 ratio by volume.

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

### Component Properties

Specific Gravity - 74°F, ISO 1.08

Specific Gravity - 74°F, POL 1.06

Viscosity - ASTM D-2196 - 74°F, ISO 1300

Viscosity - ASTM D-2196 - 74°F, POL 1500

### Reactivity Profile

Ratio by Weight - ISO:POL 100:98

Ratio by Volume - ISO:POL 1:1

Gel Time - 100 gram sample, 74°F 4 Minutes

Tack Free Time - 100 gram sample, 74°F 5 Minutes

### Typical Physical Properties

Hardness - ASTM D2240 - Shore A 88 Shore A

Tear Strength - ASTM D624, Die C 144 pli

Tensile Strength - ASTM D638 950 psi

Elongation - ASTM D412 95 %

## RECOMMENDED HANDLING INSTRUCTIONS

### 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.

SCR-FZ-88 is typically applied using either a 2 component low pressure machine with an appropriate static mixer or through a 2 component cartridge system with a 30 element static mixer. Regardless of the application method, the polyol resin should be mixed well prior to use to insure consistent color of the finished polymer. Although SCR-FZ-88 is a hybrid elastomer, the area or joint where the elastomer is to be applied should be free from debris and dry to the touch. SCR-FZ-88 is an aromatic system and will change color upon exposure to UV light sources.

## 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.

Keep the SCR-FZ-88 containers tightly closed when not in use and store at temperatures between 50–77° F (10–25° C).

## SAFETY

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

Since Seller exercises no control over Buyers application or use of the product manufactured by Seller (“product”) and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MECHANABILITY 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.
  - The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.
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