

## IsoBond HBN 2231

IsoBond HBN 2231 is a solvent free, two component, polyurea / polyurethane hybrid cast elastomer. This product has been designed for an adhesive for turf seams. The quick rate of cure allows the product to receive light to moderate handling time within 20-30 min of cure time. Full cure is usually reached within 24 hours.

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

### Component Properties

Viscosity - ASTM D-2196 - 74°F, ISO 2100 - cps

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

Weight per gallon - ISO 9.06

Weight per gallon - POL 8.88

### Reactivity Profile

Ratio by Weight - ISO:POL 1.04:1

Ratio by Volume - ISO:POL 1:1

Gel Time - 100 gram sample, 74°F 1.5 Minutes

Tack Free Time - 100 gram sample, 74°F 2.5 Minutes

### RECOMMENDED HANDLING INSTRUCTIONS

IsoBond HBN 2231 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 IsoBond HBN 2231 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. Excessive moisture will create foaming and reduce the physical properties of the system. IsoBond HBN 2231 is an aromatic system and will yellow 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.

### SAFETY

-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.-I

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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.
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