

IsoBond HBN 2230

IsoBond HBN 2230 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.

PRODUCT ADVANTAGES

- 100% Solids
- Convenient 1:1 mixing ratio by volume
- Zero VOCs

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

Component Properties

Viscosity - ASTM D-2196 - 74°F, ISO 1200 - 2400 cps

Viscosity - ASTM D-2196 - 74°F, POL 900 - 1800 cps

Weight per gallon - ISO 9.0

Weight per gallon - POL 8.8

Reactivity Profile

Ratio by Weight - ISO:POL 1.04:1

Ratio by Volume - ISO:POL 1:1

Gel Time - 100 gram sample, 74°F 1.25 - 1.67
Minutes

Tack Free Time - 100 gram sample, 74°F 2.43 - 3.6
Minutes

Typical Physical Properties

Hardness - ASTM D2240 - Shore A 90 Shore A

Tear Strength - ASTM D624, Die C 128 pli

Tensile Strength - ASTM D638 1360 psi

Elongation - ASTM D412 260 %

RECOMMENDED HANDLING INSTRUCTIONS

IsoBond HBN 2230 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 2230 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 2230 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 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

- 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.

Refer to the product safety data sheet.

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:

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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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