

# IsoBond UTN 5111

IsoBond® UTN 5111 is a 1 component urethane adhesive designed for use as a structural adhesive. It has been certified to ASTM C557 and CA 25-4. It can be used for adhering wood studs, plywood, OSB, and gypsum. UTN 5111 is non-sag and has a fast set and short clamp time and is available in cartridges, pails and drums.

## APPLICATIONS

- Gypsum
- OSB
- Plywood
- Wood, Foam, Plastics, Other natural products

## PRODUCT ADVANTAGES

- Fast set time
- Non SAG
- Short Clamp Time

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

## Component Properties

Color - ISO	Amber Brown
Specific Gravity - 74°F	9.4
Viscosity - ASTM D-2196 - 74°F, ISO	24000 cps

## Reactivity Profile

Open Time - 1/8 inch Normal	5 - 10 Minutes
Clamp Time	30 - 60 Minutes
Full Cure	24 Hours

## Typical Physical Properties

Lap Shear ABS - ASTM D1002	440 psi
Lap Shear Acrylic - ASTM D1002	480 psi
Lap Shear Aluminum - ASTM D1002	720 psi
Lap Shear Maple - ASTM D1002	940 psi
Lap Shear PVC - ASTM D1002	394 psi
Lap Shear SMC - ASTM D1002	530 psi

## 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.

Surfaces should be clean, dry, and free of oils or coatings that might prevent the adhesive from bonding to the surfaces. Metal surfaces can be cleaned with xylenes, mineral spirits, MEK, but should be dried before adhesive application. An isopropyl alcohol wipe is recommended for cleaning plastics that may have dirt or mold release on their surface. Isotec also has plastic primers available if required. Parts should be clamped together for 20-60 minutes before handling and moving.

Shelf life is minimum 6 months in unopened containers.

## STORAGE

IsoBond UTN 5111 must be stored in airtight containers and should not be exposed to the atmosphere until application. Product is moisture sensitive and should avoid contact with moisture before use. It should be stored at 60-120 °F.

Protect from moisture. If the material is exposed to moisture, including moisture from the air, it will release CO<sup>2</sup> gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death.

## SAFETY

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

---

Date Modified 5/8/2017

---

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 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.
- 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.

---

[www.isotecintl.com](http://www.isotecintl.com)

"The Chemistry Behind Performance"®

(800) 234-6300

---