



Isoset™ Adhesives

FOR CONSTRUCTION AND ENGINEERED WOOD PRODUCTS



Bostik, an Arkema company, manufactures industrial adhesives and sealants designed to improve operational efficiencies and increase end-use performance around the globe. By working closely with customers, our experts are able to understand their evolving needs and formulate our solutions to make it easier to accomplish their goals and address tomorrow's problems today.

ISOSET POLYURETHANE EMULSION POLYMER (PEP) ADHESIVE

Isoset UX-100 series adhesives is a two-part system based on 100 percent reactive polyurethane adhesive blended with conventional Isoset emulsion. This system offers fast green strength and complete cure times, while providing excellent bonding properties for less than perfectly machined tolerances. Isoset UX-100 series adhesives has been used successfully on structural fingerjoints and wooden I-joists, as well as web-to-web applications for making I-joists where no preparation is needed (butt joints).

ISOSET EMULSION POLYMER ISOCYANATE (EPI) ADHESIVE

Water-based Isoset adhesives use a two-part emulsion polymer isocyanate technology to produce bonds with excellent creep, shear and tensile properties. Parts bonded with Isoset adhesive are extremely durable and offer outstanding resistance to moisture and humidity. Isoset adhesives have been specified for engineered wood (I-joist, glulam, LVL, vertical studs, etc.), millwork, hardwood flooring, structural foam core panels and structurally insulated panels (SIPs).



ATTRIBUTES

- Excellent structural properties
- Cure at wide range of temperatures
- Water-based
- Cleans up with water
- Contains no formaldehyde
- Moisture and solvent resistant
- Neutral color – no red stains
- Cure at neutral pH
- Environmentally acceptable

BENEFITS

- Facilitate web-to-web butt joints in I-joists
- Tolerance to the moisture contents of wood
- Fast cure
- Achieves strength faster than competing adhesives to optimize production
- Designed specifically for soft woods used in EWP applications

APPLICATION METHODS

- Extrude
- Roll Coat

CURING TECHNIQUES

- Cold Press
- Hot Press
- RF Cure



I-JOISTS

- High performance strength
- Neutral (Wood) color glue line
- Fast cure rate
- Cost effective
- Strong technical support
- Formaldehyde free



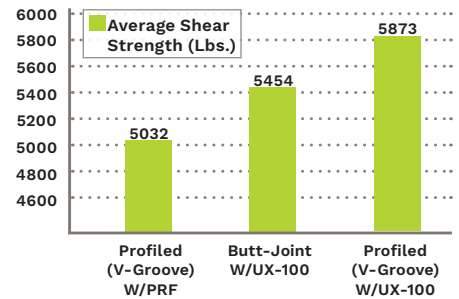
FINGER JOINTING¹

- Finger joint tension strength testing
- Average 8,300 PSI
- Type 5 & 6 Failure Mode

¹ Testing conducted by independent third party



BUTT JOINT¹ BUTT JOINT¹



ADHESIVE DESIGN

The outstanding performance of IsoSet adhesives reflects a customer-driven culture that strives to provide products that meet or exceed the expectations of the markets we serve. Our experience in urethane chemistry results in effective and efficient adhesive technologies for the engineered wood market.

APPLICATION DEVELOPMENT AND LAB SUPPORT

Bostik has experience with and understands the end-use performance demands of many applications. With our on-site lab support we put this expertise to work to develop products that fit the needs of your specific application.

TECHNICAL SERVICE

Bostik is committed to providing exceptional technical services. Bostik technical service representatives are regionally located to assist customers with adhesives knowledge and expertise. The technical service programs are designed to address the following items:

- Production line efficiency improvements
- Adhesive-related equipment selection assistance
- Adhesive technology recommendations
- Product quality enhancements
- New substrate evaluations

Ready to get started with our solutions and see how they can help your process and products?

[Contact a Bostik expert today!](#)





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Adhesive solutions by **ARKEMA**