

Technical Datasheet

Bostik, Inc.



ISOSET™ UX-100 Structural Polyurethane Polymer Adhesive

Description ISOSET UX-100 is a Polyurethane Polymer Adhesive designed for use with ISOSET WD3-A322 adhesive resin for use on structural wood bonding applications, including structural fingerjoints and wooden I-joist. This system features no added formaldehyde.

Typical Resin Properties

Appearance	Amber Viscous Liquid
Solids, %	100% Solvent Free
Viscosity, Brookfield, cps, Spindle No. 4 @ 10 rpm, 25°C (77°F)	2,000 – 5,000
Specific Gravity, 25°C (77°F)	1.10 – 1.20
Flash Point, °F (Seta Flash)	>200
Pounds per Gallon @ 25°C (77°F)	9.3 – 10.0

Physical properties are values, based on material tested in our laboratories, but are subject to a standard deviation from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot.

Mixing Instructions ISOSET UX-100 is mixed with ISOSET WD3-A322 at a ratio of 4 parts ISOSET UX-100 to 1 part ISOSET WD3-A322. The mixed adhesive is typically applied by extruder at ambient temperature. Handling strength occurs in approximately 30-40 minutes. Close to full strength is developed in 24 hours. Curing at elevated temperatures reduces the cure time significantly. Specific cure cycles can be determined for specific applications.

Working Life Working life of the mixed adhesive is dependent upon ambient conditions. At 70-80 °F the mixed adhesive has a working life of 10 minutes. Typically meter mix equipment is used to combine the two components and extrude the mixed adhesive.



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Handling	ISOSET UX-100 polyurethane polymer adhesive contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and appropriate protective equipment and clothing should be worn. For important health, safety and handling information, consult Bostik's Safety Data Sheet before using this product. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Bostik products in your facility.
Clean Up	The mixed adhesive should be flushed from the meter mix element core extruder using ISOSET WD3-A322 followed by water. Periodically the extruder head should be disassembled and cleaned.
Packaging	45,000 lb tankwagon, 55 gallon (208 liters) drums, 5 gallon (19 liters) pails, or 330 gallon disposable tote bins.
Recommended Storage	When stored at temperatures between 45 and 75 °F, the shelf life of this adhesive is a minimum of 3 months from the date of shipment. Storing at higher temperatures decreases shelf life. Keep away from heat, direct sunlight and rain. Keep containers closed to prevent contamination. The adhesive reacts with moisture; therefore, keep containers closed tightly when not in use. Once opened, use as soon as possible. Desiccant cartridges or nitrogen blankets are used to avoid moisture contamination.
DOT Label Requirements	None
Notice	<p>All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which Bostik, Inc. assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.</p> <p>Since the user's product formulations, specific use applications and conditions of use are beyond the control of Bostik, Bostik makes no warranty or representation regarding the results which may</p>



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be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

Bostik requests that the user reads, understands and complies with the information contained herein and the current Safety Data Sheet.

More Information

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