

# Technical Datasheet

Bostik, Inc.



## ISOSET™ UX-160 Structural Polyurethane Polymer Adhesive

**Description** ISOSET UX-160 is a 100 percent solids Polyurethane Polymer Adhesive designed for use with ISOSET WD3-A322 adhesive resin for use on structural fingerjoints.

### Typical Resin Properties

|   |                      |
|---|----------------------|
| Appearance  | Amber Viscous Liquid |
| Solids, %   | 100% Solvent Free    |
| Viscosity, Brookfield, cps, Spindle No. 4 @ 10 rpm, 25°C (77°F) | 3,000 – 6,000        |
| 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           |

**Mixing Instructions** ISOSET UX-160 is mixed with ISOSET WD3-A322 at a ratio of 4 parts ISOSET UX-160 to 1 part ISOSET WD3-A322. The mixed adhesive is applied by extruder at ambient temperature. Handling strength occurs in 10-20 minutes. Very high strength is developed in two hours and full strength is developed in 24 hours. Curing at elevated temperatures increases strength build significantly.

**Working Life** Working life of the mixed adhesive is dependent upon ambient conditions. At 70°F to 80°F (21°C to 27°C) the mixed adhesive has a working life of 3 to 4 minutes. Meter mix equipment must be used to combine the two components and extrude the mixed adhesive into a fingerjoint. If the fingerjoint line is down for any time the extruder head must be purged with mixed adhesive every 30 seconds to prevent excessive viscosity build-up.

**Handling** ISOSET UX-160 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.

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| Clean Up               | <p>The mixed adhesive should be purged through the extruder head every thirty seconds if the line is stopped for any reason. To clean out the extruder, ISOSET WD3-A322 should be flushed through the meter mix static mix tube and extruder head. After the unit has been thoroughly purged with WD3-A322, it can be flushed with water to remove the ISOSET WD3-A322. Periodically the extruder head should be disassembled and cleaned to remove cured adhesive that collects in dead spots in the extruder head. Parts that come into contact with the mixed adhesive should be coated with a release coating such as Bates Booth Coating. The cured adhesive can be easily removed from the release coated parts.</p>  |
| Recommended Storage    | <p>When stored at temperatures between 45°F and 75°F (7°C and 24°C), the shelf life of this adhesive is 3 months. 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.</p>  |
| Packaging              | <p>55 gallon (208 liters) fiber drums, 5 (19 liters) gallon pails, or 330 gallon disposable tote bins.</p>  |
| DOT Label Requirements | <p>None</p>   |
| 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 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.</p> <p>Bostik requests that the user reads, understands and complies with the information contained</p> |

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herein and the current Safety Data Sheet.