

## FAST™ 100 ADHESIVE

### GENERAL:

FAST 100 Adhesive is a two-component construction-grade insulating polyurethane adhesive. The low-rise, expanding characteristics of FAST 100 are designed to securely bond insulations to a variety of substrates. FAST Adhesive is compatible with: Fiberboard, Polyiso, Extruded Polystyrene, EPS, SPF, DensDeck®, and OSB. Compatible deck types include concrete, cellular LWC, gypsum, cementitious wood fiber, wood, and painted or galvanized steel. FAST is also compatible with the following roofing materials: smooth or gravel-surfaced BUR, mineral cap sheet, weathered smooth or granule-surfaced Mod-Bit, coal tar pitch, aged EPDM, aged EPDM Coating and Versico 725 Vapor Barrier. FAST 100 is spray- or bead-applied to produce a strong, low-rise adhesive with superior wind uplift resistance and a nominal free-rise core density of 1.9 pounds per cubic foot.

### TYPICAL PROPERTIES AND CHARACTERISTICS:

<u>Base</u>	<u>100-Part A</u> <u>Polymeric Isocyanate</u>	<u>100-Part B</u> <u>Polyols, Surfactants &amp; Catalysts</u>
Mixing Ratios by Volume	1:1 Part A to Part B	
Viscosity (CPS@25°C)	250	150-300
Avg. Net Weight	10.25 lbs/gal	8.75 lbs/gal
Packaging	50 gal drum (190 L) 15 gal drum (57 L)	50 gal. drum (190 L) 15 gal. drum (57 L)
Shelf Life	1 year	9 months*

Typical R-value added for the use of FAST adhesive over smooth surfaces is 0.2 to 0.5 R

R-value may be higher as more adhesive is used on uneven surfaces.

\* Can be extended to one year by adding FAST Catalyst after 9 months.

### CAUTIONS AND WARNINGS:

- REVIEW THE APPLICABLE MATERIAL SAFETY DATA SHEET FOR COMPLETE SAFETY INFORMATION PRIOR TO USE.**
- The foam produced is an organic material. It must be considered as combustible and may constitute a fire hazard. The foam adhesive must not be left exposed or unprotected. Shield from heat and sparks.
- Do not smoke during application.
- Use with adequate ventilation. Avoid breathing vapors. Wear a NIOSH or MSHA approved respirator for organic vapors with prefilters and solvent-resistant cartridges or supplied airline respirators while spraying. Proper safety training is essential for all persons involved in the installation process. If vapor is inhaled, remove to fresh air and administer oxygen if breathing is difficult. Consult a physician immediately.
- Avoid contact with eyes. Safety glasses or goggles are required.
- If FAST adhesive is splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
- Avoid contact with skin. Wear long sleeved shirts and long pants. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water or corn oil. NOTE: Versico's special solvent resistant Hycron® or nitrile gloves are required when handling Part A.
- Job site storage temperatures in excess of 90°F (32°C) may affect product shelf life. Should the components be stored at temperatures lower than 70°F (21°C), restore to room temperature prior to use. Do not allow FAST 100 to freeze (storage below 0°F (-18°C) for at least 3 days).
- Use spray booths, windscreens, and/or lower spray pressure with spatter tips when spraying in windy conditions.
- Precautions must be taken to prevent FAST 100 vapors or overspray from entering buildings during application. All air intake vents on roofs must be closed during application of FAST 100.
- KEEP OUT OF THE REACH OF CHILDREN.**

**COVERAGE RATE:** (may vary due to job site conditions)

	<u>per set of 50's</u>	<u>per set of 15's</u>
Insulation attachment to:		
Smooth Gypsum, LWC, Concrete, Wood, Steel, Smooth BUR, Mod-Bit, Mineral Cap or Multiple layers of insulation	8,500 - 9,000 sq.ft.	2,500 - 2,700 sq. ft.
Fibrous Cement	5,500 - 6,500 sq.ft.	1,650 - 2,000 sq. ft.
Gravel BUR	5,000 - 6,000 sq.ft.	1,500 - 1,800 sq. ft.

**APPLICATION: \*\***

1. The surface to which adhesive is to be applied shall be dry, free of fins, protrusions, sharp edges, loose and foreign materials, oil, and grease. Depressions greater than 1/4" (6 mm) shall be filled with FAST Adhesive or other approved patching material. All sharp projections shall be removed.
2. For re-roofing sprayed-in-place (SPF) urethane roofs, all wet areas must be removed. The surface must then be scarfed or perforated, depending on the coating, before applying FAST 100 Adhesive.
3. Apply FAST 100 when the substrate and ambient temperature are 25°F (-4°C) or above when spraying with heated equipment or 60°F (16°C) when spraying with unheated equipment.
4. Set pre-heater and hose temperature to 120°F (49°C). Temperature settings will vary with conditions.

**Insulation Attachment**

1. Spray FAST 100 Adhesive on the substrate obtaining full coverage (approx. 1/8" – 1/4" thick after foaming).
2. **Place insulation boards into FAST 100 Adhesive after allowing it to rise and develop string/body (approx. 1.5-2 min. unless using FAST Catalyst). The time it takes for the adhesive to develop string will vary based on environmental conditions (temperature and humidity).**
3. Designate one person to walk and/or roll boards into place using the roller. Boards may be weighted or slit where necessary to keep flat until adhesive sets-up.
4. Adding FAST Catalyst is recommended for insulation attachment to speed set-up time. Catalyst should be added according to the chart provided on the FAST Catalyst can.

For a listing of drum reconditioners/recyclers in your area contact the Reusable Industrial Packaging Association at (301)-577-3786 or [www.reusablepackaging.org](http://www.reusablepackaging.org)

\* General properties. Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specifications or specification ranges for any particular property of this product.

\*\* REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR APPLICATION REQUIREMENTS.

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