HUNTSMAN
BUILDING SOLUTIONS

FOAMLOK™ LPA 100
TECHNICAL DATA SHEET

LPA 100 is a two component, water-blown, spray or bead applied roofing adhesive for attachment of insulation and barrier boards over structural concrete, BUR roofing systems and where mechanical attachment is difficult or undesirable in both new and recover roofing applications.

PHYSICAL PROPERTIES		
Properties	Test Method/Requirements	Value
Liquid:		70 °F
Specific Gravity:	ASTM D1638	1.080
Viscosity:	Brookfield Viscometer	600 cps
Weight Per gallon:		9.00 lbs./gal.
Hand Mix Reactivity :		70°F
Initial Rise :		13 Seconds
Gel Time:		45 seconds
Tack Free:		90 Seconds
Density:		2.30 – 2.60 lbs./Ft.^{3}
Shelf Life:	One year when stored properly	

Processing
LPA 100 may be processed through any standard proportioning equipment which is capable of supplying the material at a 1:1 ratio. The machine must be capable of heating the material to a minimum of 115°F, and supplying a pressure during application of 500 psi minimum. A standard spray gun is used for the application of the material and may be configured to supply either a full coverage or bead type application. A wand assembly is available for use with the GAP – Pro spray gun to assist in bead application.

Application Instructions
LPA 100 should be applied to clean, and dry substrates which are smooth and level. Irregular substrate profiles require higher application rates to obtain a smooth flat application of the material to be attached to the substrate to ensure good contact between the boards. In recovering of existing roof applications moisture scans should be conducted to determine if the substrate will require the repair or replacement of any wet materials which would compromise the performance of the system or assembly.

LPA 100 may be applied using either spray pattern full coverage or bead application method.

Full Coverage Application
When using a full coverage application the material should be applied in a manner resulting in a continuous film of approximately 1/8th inch thickness. The placement of the first board should occur approximately 30 seconds after the LPA 100 is applied. Once the board becomes stable, the remaining boards may be positioned and walked into place to insure full contact and adhesion to the substrate.

Bead Application
Beads should be applied in manner resulting in a ¾ inch wide bead and the beads lines should be 12 inches on center. The first bead should be applied near the edge of the area where the board will be attached and space approximately 12 inches on center. Placement of the first board should occur approximately 30 seconds after the first bead is applied. Once the board appears stable the remaining boards may be positioned and walked into space.

ASTM Method E84	Class I
Flame Spread	≤5
Smoke Development	≤60

Personal Protection/Safety and Handling
Respiratory protection is **MANDATORY!** Contact Huntsman Building Solutions for a copy of the Model Respiratory Protection Program developed by CPI or visit their website at www.polyurethane.org. Persons with known respiratory allergies should avoid exposure to the “A” component. The “A” component contains reactive isocyanate groups while the “B” component contains amine and/or catalysts with blowing agents. Both materials must be handled with care and used with adequate ventilation. The vapors must not exceed the TLV (0.02 parts per million) for isocyanates. Avoid breathing vapors. Wear a NIOSH approved respirator. If inhalation of vapors occur, remove victim from contaminated area and administer oxygen if breathing is difficult.

Call a physician immediately. Avoid contact with skin, eyes, and clothing. Open containers carefully, allowing any pressure to be relieved slowly and safely. Wear chemical safety goggles and rubber gloves when handling or working with these materials. In case of eye contact, immediately flush with large amounts of water for at least fifteen minutes. Consult a physician immediately. In case of skin contact, wash area with soap and water. Wash clothes before reuse.

In Case of Spills or Leaks

- Utilize appropriate personal protective equipment
- Ventilate area to remove vapors
- Contain and cover spilled material with a loose, absorbent material such as oil-dry, vermiculite, sawdust or Fuller's earth
- Shovel absorbent waste material into proper waste containers
- Wash the contaminated areas thoroughly with hot, soapy water
- Report sizeable spills to proper environmental agencies

In Case of Fire

Extinguishing Media- Water, Carbon Dioxide, Foam or Dry Powder

DISCLAIMER

The data presented herein is not intended for use by nonprofessional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

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