



I.S.O.FIX[®] Adhesive

Firestone Item Number: W56RACINSA

DESCRIPTION:

I.S.O.FIX[®] Adhesive is a single component, moisture cured, polyurethane adhesive designed to attach Firestone ISO 95+, Fibertop, and DensDeck to acceptable substrates. It may also be used to attach multiple layers of insulation. I.S.O.FIX Adhesive can be used to attach insulation under Fully Adhered, Modified Bitumen, and Built-Up roofing systems.

I.S.O.FIX Adhesive is dispensed from a pressurized, portable, disposable container using the flexible dispensing hose and dispenser wands (sold separately: Firestone Item Number: W56RACINSH).

Maximum slope: 2": 12"

Maximum dimensions of insulation to be attached with I.S.O.FIX Adhesive shall not exceed 4' X 4' (1.22 m x 1.22 m).

Eligible for applicable Firestone warranties 5, 10, 15 and 20-year terms with maximum wind speed 55 mph.

APPLICATION:

I.S.O.FIX Adhesive shall be mixed prior to use by firmly holding the container on its side and agitating the contents using a side-to-side mixing motion for at least one minute.

Maintain the pressurized container of I.S.O.FIX Adhesive in an upright position during dispensing.

Apply beads of I.S.O.FIX Adhesive on the substrate in the specified patterns and coverage rate in accordance with the application specifications for I.S.O.FIX Adhesive.

To minimize the set time, cut and layout insulation prior to applying I.S.O.FIX Adhesive. Insulation shall be neatly fitted (within 1/4") to all roof penetrations, projections, and nailers. Stagger insulation boards. **Set the roof insulation in the I.S.O.FIX Adhesive within three minutes after dispensing it to the substrate.** Additional I.S.O.FIX Adhesive is required around all roof penetrations and drains. No more insulation shall be installed than can be covered with membrane and completed by the end of each day's work or prior to the onset of inclement weather

Immediately after setting the board, weight each board using full pails of Bonding Adhesive or other available source of weight that will not damage the roof insulation. This insures the board makes continuous contact with the adhesive during the critical set-up period (which will vary depending on ambient conditions). Pay particular attention to corners of insulation boards. Loose or unattached corners in insulation boards shall be repaired by the addition of fasteners and insulation plates as required. Depending on the humidity at the time of installation, the walk-in period may be extended greatly. In such an instance, continuous weighting must be used.



PRODUCT DATA

<u>Property</u>	<u>Minimum Performance</u>
Type of Adhesive:	Single Component Polyurethane, dispensed in a bead from a pressurized, disposable container
Cure System:	Moisture cure
Cure Time:	Dependent on ambient Relative Humidity and Temperature
Specific Gravity:	1.3
VOC Content:	0 grams/liter

COVERAGE RATE:

Each 30 lb (14 kg) container contains about 800 linear feet (243.8 m) of 3/4"-1" (19 mm-25 mm) diameter continuous bead of I.S.O.FIX Adhesive.

<u>Dispensed at</u>		<u>Coverage per container</u>	
6"	0.15 m	400 sq. ft	37.16 sq. m
9"	0.23 m	600 sq. ft	55.74 sq. m
12"	0.30 m	800 sq. ft	74.32 sq. m

PACKAGING:

I.S.O.FIX is packaged in pressurized metal containers. Each container has a gross weight of 30 lb (14 kg), which includes 23 lb (10 kg) net adhesive weight. Each container is supplied with a nozzle to extrude I.S.O.FIX in a flat bead. A valve on the container controls dispensing of the adhesive (off/on). A hose and wand kit, consisting of one 4 ft (1.22 m) flexible hose and two 14" (0.35 m) PVC wands are sold separately under Firestone Item Number: W56RACINSH.

SHELF LIFE:

Shelf life of 15 months from date of manufacture can be expected when stored in original unopened containers between 45° F (7° C) and 75° F (24° C). Shelf life will be shortened if the product is exposed to elevated temperatures.

STORAGE:

Store original unopened containers of I.S.O.FIX[®] Adhesive between 60° F (16° C) and 80° F (27° C). During hot weather, do not expose to sunlight/elevated temperatures until use. Rotate stock to insure material will not go beyond the shelf life of eight months.

Deck/Substrate	Acceptable	Pull Test Required	Not-Acceptable	Notes
Steel	X			New steel decks may require cleaning to remove processing oils.
New Structural Concrete	X			New poured decks must have a minimum 28-day drying time.
Existing Structural Concrete		X		
Plywood and OSB	X			
Cementitious Wood Fiber	X			
Gypsum Decks		X		
Lightweight Concrete			X	
Coal Tar Pitch Built-up Roofs			X	
Modified Bitumen Roofs (Mineral or Smooth Surfaced)		X		
Existing Asphalt Systems (Gravel Surfaced, Smooth, Mineral Surfaced):		X		
Existing Single-Ply Roofs			X	
Base Sheets		X		
Insulations:				
Polyiso, Wood Fiber, DensDeck Products Expanded Polystyrene	X			Maximum 4' x 4' (1.22 m x 1.22 m) boards only.
Extruded Polystyrene, Fiberglass, Perlite			X	
<p>Existing substrates containing residual asphalt must be cleaned and scraped smooth as possible.</p> <p>The substrate shall be smooth, flat, clean, dry, free of sharp fins, or foreign materials</p> <p>All perimeters, deck seams and all penetrations must be sealed to prevent air infiltration through the deck. Firestone recommends an expanding foam or similar product be used.</p>				



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PRECAUTIONS:

1. Use I.S.O.FIX Adhesive only when ambient temperatures and deck surfaces range between 35° F (1.7° C) minimum and 110° F (43° C). I.S.O.FIX Adhesive shall be a minimum of 70° F (21° C) during dispensing for best coverage results.
2. Wear protective clothing, gloves, and protective eyewear. Do not get I.S.O.FIX Adhesive on skin.
3. A Self-Contained Breathing Apparatus (SCBA) is required in areas of limited ventilation.
4. Contents of container under pressure. Do not puncture or incinerate. Relieve all pressure before disposal. Empty containers, after relieved of all pressure, can be disposed of as non-hazardous waste.
5. I.S.O.FIX Adhesive reacts with water. Avoid alkalis, acids, alcohol, and ammonia. Reaction may be violent at elevated temperature.
6. Thinning is not allowed.
7. For professional use only.
8. Keep away from fire and open flames.
9. After container has been opened, used once and closed, use the remainder of adhesive in that container within one week.
10. Review Material Safety Data Sheet (MSDS) prior to using I.S.O.FIX Adhesive.
11. Do not install over wet, damp, or otherwise contaminated surfaces.
12. Do not use I.S.O.FIX Adhesive for seaming or bonding membranes.
13. Contact Firestone prior to bidding jobs with I.S.O.FIX Adhesive to verify applicability of this adhesive for specific roofs.
14. Recommended cleaner of I.S.O.FIX Adhesive is acetone before the I.S.O.FIX Adhesive has set.
15. Do not touch or disturb freshly installed I.S.O.FIX Adhesive.

LEED INFORMATION:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Wilmington, IL



“Subject To The Conditions Of Approval As A Roofing Adhesive When Installed As Described In The Current Edition Of The FM Approval Guide”



Insulation Adhesive For Roofing Systems As To An External Fire Exposure Only. 79Y6
 See UL Directory Of Products Certified For Canada And UL Roofing Materials And Systems Directory. R9516

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