



TECHNICAL DATA

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FOAMSEAL[®] HURRICANE ADHESIVE SF2100 STRUCTU-FOAM[™]

Description

A two component polyurethane system that has been specifically designed for bonding wood sheathing to roof trusses and sealing sheathing seams for water intrusion. Proper application significantly strengthens the fastening of sheathing to trusses improving roof uplift resistance and minimizes water intrusion at sheathing seams should the roof cover be lost or damaged. Use of Foamseal Hurricane Adhesive is ideally suited in high wind or hurricane prone areas.

Foamseal Hurricane Adhesive is approved for use in high velocity hurricane zones (HVHZ) by the Florida Department of Community Affairs (Florida product approval FL#11926).

Foamseal Hurricane Adhesive is to be applied only by Foamseal trained and certified applicators. Use of Foamseal Hurricane Adhesive is protected under US Patent # 5,890,327 entitled "Method of Reinforcing the Roof of a Building against Hurricane-Force Winds".

Material Characteristics

Viscosity: @ 72°F	FSA	200 cps
	SF2100	900 cps
Density: sprayed-in-place		2.5 – 2.9 pcf
Surface Burning Characteristics ASTM E84-97a	Flame Spread	20
	Smoke index	65
Ignition Properties ASTM D1929	Flash Ignition	390°C/734°F
	Self Ignition	490°C/914°F
Reduction in water intrusion FSTP.PKS1876		100%

Shelf Life

This product is warranted against manufacturing defects for a period of six months from the date of manufacture.

Storage and Handling

- Material online should be maintained at 65° - 95°F.
- Open containers should be protected from moisture with inert gas (not carbon dioxide) having a maximum dew point of -40°F or with a suitable desiccant filter.

ITW FUTURA COATINGS, 1685 GALT INDUSTRIAL BLVD., ST LOUIS, MO, (314) 733-1110

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Testing Information

Foamseal Hurricane Adhesive has been tested for wind uplift resistance by the Clemson University Department of Civil Engineering. In a report entitled "Retrofit Techniques Using Adhesives to Resist Uplift in Wood Roofing Systems and was shown to increase uplift resistance 2 to 4 times over nails alone.

In the report entitled "Analysis of the Effectiveness of Foamseal Products in Reducing Losses to Residential Structures", by Applied Research Associated, Inc., Foamseal Hurricane Adhesive was shown to exhibit significant loss reduction both by itself as well as in conjunction with hurricane shutters.

Application Data

Equipment:	Plural component metering unit capable of dispensing a high velocity stream
Mix Ratio: (by volume)	1 "FSA" : 1 "SF2100"
Process Temperature:	105° - 115°F
Process Pressure:	600 – 900 psi

Safety Information

- Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.
- Do not apply material in enclosed areas without adequate air exchange and ventilation.
- All application personnel must use respirators rated for organic vapors, or in confined spaces wear fresh air respirators or fresh air hoods.
- Wear protective clothing, gloves and eye protection.
- Breathing fumes or contact with the skin may cause severe allergic reactions.
- **This product is intended for industrial use by properly trained professional applicators only.**