



# HURRICANE ADHESIVE

## SF2100 STRUCTU-FOAM™

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

Foamseal® SF2100 Structu-Foam™ is 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's 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 to be applied only 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."

#### TYPICAL PROPERTIES:

Property	Typical Value
Base:	Polyurethane
Shelf Life:	6 months from Date of Manufacture*
Viscosity @ 72 F (22.2° C)	
SF2100A	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	
Flame Spread	734° F (390° C)
Smoke Index	914° F (490° C)
Reduction in Water Intrusion FSTR.PKS1876	100%
Formaldehyde	No urea formaldehyde added during adhesive manufacturing

#### TESTING INFORMATION

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

In the report entitled "Analysis of the Effectiveness of Foamseal Product 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 (SF2100A): 1 (SF2100)
Process Temperature	105° F - 115° F (40.5° C – 46.1° C)
Process Pressure	600 – 900 psi

#### STORAGE AND HANDLING

- Material online should be maintained at 65° F - 90° F (18.3° C - 32.2° C)
- Open containers should be protected from moisture with inert gas (not carbon dioxide) having a maximum dew point of -40° F (-40° C) or with a suitable desiccant filter.

## 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
- 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.**

**KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY  
USE ONLY WITH APPROVED EQUIPMENT**

### NOTICE TO PURCHASER:

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Complete technical information is available from  
ITW Polymers Sealants North America, Inc.