

**PRODUCT DATA SHEET**

# ASPERSION 3.0

Rigid SPF System

Product Data Sheet  
Revised 10/21/2025

## INSULATION

### **RIGID, SPRAY-APPLIED, POLYURETHANE FOAM**

ASPERSION 3.0 is a two-component, rigid polyurethane spray foam insulation, specifically designed to provide a high performance. The controlled chemical reaction allows for smoother surface and more uniform application over a wide temperature range.

ASPERSION 3.0 has been formulated using 10% of TCPP flame retardant and does not contain CFC, HCFC, or formaldehyde.

ASPERSION 3.0 shows excellent adhesion to a wide range of substrates typically found in building construction, as well as air seals and insulates in one step. coverage self-flashing.

### MIXING RATIO:

	MDI ISOCYANATE	ASPERSION 3.0
Volume	100	100

### REACTIVITY PROFILE

Laboratory test (Components at 77°F), using mixer static at 2500 rpm

	REACTIVITY PROFILE
Cream time	02 - 03 sec.
Gel time	NA.
Tack free	06 - 10 seg.

### PHYSICAL PROPERTIES::

	Unity	Value	ASTM
Density	Lb / ft3	3.0 – 3.4	ASTM D 1622
Thermal Resistance "R"	ft²h°F/BTU	6.4	ASTM C 518
Closed Cell Content	%	> 95	ASTM D 2856
Dimension Estability 1 Week to – 20°C	%	< 0.5%	ASTM 2126
Compressive Strength	Psi	> 45	ASTM D 1621

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## PROCESSING CONDITIONS:

The quality of the foam obtained depends on the good mixing of components "A" and "B", and on the correct dosage in the injection equipment, so SFW SPRAY FOAM WORX is not responsible for any failure in the quality of the foam that could lead to a poor quality of the final products.

## RECOMMENDED PROCESSING PARAMETERS

	Summer	Winter	Super Winter
<b>Primary A-Side Heater</b>	105 – 115 °F	105 – 120 °F	110 – 120 °F
<b>Primary B-Side Heater</b>	105 – 115 °F	105 – 120 °F	110 – 120 °F
<b>Hose Temperature</b>	105 – 115 °F	105 – 120 °F	110 – 120 °F
<b>Processing Pressure</b>	1200-1400 psi	1200-1400 psi	1200-1400 psi
<b>Minimum Application Temp.</b>	> 50°F	> 45°F	> 15°F
<b>Ambient Humidity</b>	< 85	< 85	< 85
<b>Maximum moisture of wood substrate</b>	19%	19%	19%

This product should only be applied by trained applicators using 1:1 by volume proportioning equipment capable of maintaining the pressures and temperatures as recommended by SFW SPRAY FOAM WORX Polyurethane. Like all isocyanate based foams, the chemical reaction varies significantly due to the equipment, environmental conditions, and applicator technique. Applicators should monitor the chemical temperature, pressures and the rate of rising foam to obtain the best yield for optimum performance.

**The information and data contained herein should not be construed as sales specifications. Product properties are subject to change without notice. This document does not give rise to any liability, authorization or warranty. The customer is responsible for determining whether the products are appropriate for use, and must ensure that the workplace and waste management practices comply with laws and other government regulations.**

**SAFETY DATA SHEET:** Product Safety Data Sheets can be obtained from SFW SPRAY FOAM WORX, and help customers to better meet their needs for safety, handling and disposal of waste, as well as those that may be stipulated by local health and safety regulations.