ASPERSION 500
Open Cell

TECHNICAL INFORMATION

DESCRIPTION:

Our ASPERSION 500 is a two-component semi-rigid open-cell polyurethane system, used as thermal insulation in walls and attics, which does not contain CFCs, HCFCs, or HFCs.

Our ASPERSION 500 polyurethane foam has been evaluated by the Intertek USA laboratory with a value of 25 in the flame spread index and a value of 350 in the smoke development index, classified as a Class 1 product.

Note: The flame spread values or ratings based on their characteristics have been obtained from tests conducted in Intertek laboratories (USA) and are for indicative purposes only, not being sales specifications. Likewise, they do not represent the hazards of these materials when exposed under real fire conditions.

RELACION DE USO:

	Isocyanate	ASPERSION 500
In volume	100	100

REACTIVITY:

The data refers to the laboratory test carried out with the components at a temperature of 25 °C, foamed by hand with a mechanical stirrer at 2500 rpm in the S facilities. The reported values vary depending on the process.

Data at 500 meters above sea level.

	REACTIVITY
Cream time	02 - 03 seg.
Gel time	N/A
Tack free	08 - 09 seg.

TYPICAL PROPERTIES OF THE FOAM:

	Units	Limits	ASTM Standard
Applied Density	Kg/m3	8 - 12	ASTM D 1622
Thermal Resistivity "R"	hr- sf ºF / Btu*in	3.7	ASTM C 518
Water vapor permeability	A 1”	28	ASTM E 96
Air permeability @ 75PA	L/s-m^2 @ 4”	>0.02	ASTM E 2178
Compressive strength	Psi	0.7	ASTM D 1621

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PROCESS CONDITIONS:

The quality of the foam obtained depends on the proper mixing of components “A” and “B”, and on the correct dosing in the injection equipment, therefore SFW Spray Foam Worx is not responsible for any failure in the quality of the foam that could result in poor quality of the final products.

SUGGESTED OPERATING CONDITIONS ARE:

Heater Primary:	35 – 40°C
Temperature in Hoses:	35 – 40°C
Work Pressure:	1200 – 1500 psi
Ambient and substrate temperature:	greater than14°C.

*The substrates must be dry and free of Grease / dirt / dust in order to achieve good adhesion with the polyurethane.

Some of the most common failures caused by poor mixing or improper dosing of the components are:

- Poor adhesion on the substrate
- Post-expansion failures
- Low performance
- Foam shrinkage And in general deterioration of all properties.

SAFETY DATA: The Product Safety Data Sheets can be obtained through SFW Spray Foam Worx, and they help customers better meet their needs regarding safety, handling, and waste disposal, as well as those that may be stipulated by local regulations on safety and hygiene.