

SPECTRA SHIELD

L I N E R S Y S T E M S

SpectraShield Foam

PRODUCT DESCRIPTION

SpectraShield Foam is a premium, closed cell, specially formulated spray polyurethane foam for use with the SpectraShield polymer layering system. It is generated onsite by combining an isocyanate and a polymeric resin through a dual-component proportioner. It has been formulated for application on substrates at temperatures as low as 25°F.

APPLICATION METHOD

Spray application in passes of uniform thickness, typically to thicknesses not exceeding three inches. Proportioning equipment is capable of metering each component within $\pm 2\%$ of the prescribed mixing ratio of 1:1. Spray guns are internal mix type to provide thorough blending of both components. Equipment maintains minimum temperatures at the gun of 125°F by use of primary heaters and heated hoses. Avoid direct contact with rain or other sources of moisture.

PHYSICAL PROPERTIES

Density	ASTM D1622	4 – 10 lb/cu ft
Compressive Strength	ASTM D1621	90 – 150 psi
Closed Cell Content	ASTM D1940	>95%
Water Absorption	ASTM D2842	0.020 (gm/cc)
Water Vapor Transmission	ASTM E96	0.61 perms
Shear Strength	ASTM C273	225 – 250 psi
Recycled Content – Side R		16.5 %
Viscosity – Side A @ 77°F		200 cps
Viscosity – Side R @ 77°F		660 cps

CLEANUP PROCEDURES

The preferred solvent for SpectraShield Foam cleanup is acetone. When using solvents for cleanup, extinguish all sources of ignition in the area and observe proper precautionary measures for handling such materials. Severely clogged gun parts may require overnight soaking in a solvent such as N-Methyl-2-pyrrolidone.

SAFETY PROCEDURES

- Wear protective gloves, clothing, and goggles.
- Before eating, drinking, or smoking, remove protective clothing and wash hands with soap and water.
- Do not smoke while working with SpectraShield Foam.
- Avoid eye and skin contact.
- Review MSDS prior to using this material.

PRODUCT STORAGE

Store material away from heat and moisture. Shelf life is six months when stored indoors at temperatures between 60°F and 70°F. Containers should be opened carefully to allow any pressure buildup to be vented safely. Components are adversely affected by water and humidity.

ADDITIONAL INFORMATION

The information contained herein is believed to be reliable. Product is intended for sale to industrial and commercial customers. Customer is responsible for evaluation and suitability determination for their specific application. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness for a particular purpose.



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