



SP-301 A/B-4

FIRE RETARDANT RIGID SPRAY FOAM NON-CFC FORMULATION

PRODUCT DESCRIPTION:

The SP-301 A/B-4 is a rigid, fire retardant polyurethane foam system that can be easily sprayed through foam dispensing units. This system provides good impact resistance and shear strength. Applications include thermal insulation of building walls, tanks, roofs, vessels, and pipes, as well as a component of molds and parts.

PRODUCT HIGHLIGHTS:

- Water Blown
- Low Flamespread
- Low Smoke Generation
- UL 723 Class II
- UL 790 Class A Roof System

PHYSICAL PROPERTIES: Based on 4 pounds per cubic foot density

Tensile Strength, (psi) ASTM D-1623-61	50-60
Shear Strength, (psi) ASTM D-273-61	35-40
K-Factor @ 77°F (25°C) ASTM C-177-85	0.15
Closed Cell Content, (%) ASTM D-1940 ASTM D-2856-70	95
Permeance, (perm/in) E-96	2 - 3
Compressive Strength, (psi) ASTM D-1621	20-25
Flamespread, UL-94 HB	<25
Smoke Density, UL-94 HB	<450

HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A	95 parts by weight
Part B	100 parts by weight

Mix Ratio (by volume):

Part A	100 parts by volume
Part B	100 parts by volume

Specific Gravity:

Part A	1.24
Part B	1.16

Viscosity, (cps) @ 77°F (25°C):

Part A	250
Part B	600

HANDLING PROPERTIES (cont'd):

Color:

Part A	Dark Brown
Part B	Light Amber
Cream Time @ 77°F (25°C)	3-4 seconds
Tack Free Time.....	11-13 seconds
Cure Time @ 77°F (25°C)	3-4 hours

Note: During the spraying process, a water vapor resembling steam will briefly occur while the foam is rising. It is recommended that both the "A" and "B" components be pre-conditioned with heat (80°F - 100°F) for best foam reactivity.

STORAGE:

Store in a cool dry place. Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at room temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING:

5 Gallon Kits.....	38 lbs. A, 40 lbs. B
55-Gallon Drum Kits.....	475 lbs. A, 500 lbs. B

SAFETY PRECAUTIONS:

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Refer to the Material Safety Data Sheet before using this product.

NON-WARRANTY "Except for a warranty that materials substantially comply with the data presented in Manufacturer's latest bulletin describing the product (the basis for this substantial compliance is to be determined by the standard quality control tests generally performed by Manufacturer), all materials are sold "AS IS" and without any warranty express or implied as to merchantability, fitness for a particular purpose, patent, trademark or copyright infringement, or as to any other matter. In no event shall Manufacturer's liability for damages exceed Manufacturer's sale price of the particular quantity with respect to which damages are claimed."