



TC-312 A/B

FIRE RETARDANT RIGID POLYURETHANE FOAM

12# DENSITY

PRODUCT DESCRIPTION:

The TC-312 A/B is a rigid fire retardant polyurethane foam system that can be easily mixed with a high shear blade mixer or through foam dispensing units. This system provides good impact resistance with high flexural and shear strength. The good flow characteristics of the TC-312 A/B series allow intricate mold cavities to be easily filled. Demold time is short, 15-20 minutes or less. Cured parts can be nailed, stapled, and painted or stained within a short time after demolding.

PHYSICAL PROPERTIES:

Compressive Strength, (psi) ASTM D-1621	475
Tensile Strength, (psi) ASTM D-1623	420
Flexural Strength, (psi) ASTM D-790.....	525
Shear Strength, (psi) ASTM C-273	325
K Factor @ 77°F (25°C) ASTM C-518.....	0.285
Closed Cell Content, (%) ASTM D-2856.....	98

HANDLING PROPERTIES:

Mix Ratio:

Part A	80 parts by weight
Part B	100 parts by weight

Viscosity, (cps) @ 77° F (25°C) Brookfield:

Part A	250
Part B	2160

Color:

Part A	Brown
Part B	Amber

Specific Gravity:

Part A	1.23
Part B	1.25

Cream Time 30-40 seconds

Rise Time..... 1.5-2 minutes

Tack Free Time..... 3-4 minutes

Demold Time..... 15-20 minutes

Free Rise Cup Density (lb.) 12

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..... 32 lbs. A, 40 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."