



FOAMJACK™ is a two-component hydrophobic rigid polyurethane foam designed to provide structural support, fill cavities, lift concrete slabs, etc.

CHEMICAL PROPERTIES

	ISO	POLYOL
Viscosity @ 25°C (77°F)	200 ± 20 cP	800 ± 100 cP

PROCESSING PARAMETERS¹

	ISO	POLYOL
Mix Ratio, parts by weight	100	90
Chemical Temperature	25°C (77°F)	25°C (77°F)

HAND MIX REACTIVITY @ 25°C (77°F)

	STANDARD	HD	RC
Gel Time	50 ± 10 seconds	50 ± 10 seconds	30 ± 10 seconds
Tack-Free Time	70 ± 15 seconds	70 ± 15 seconds	45 ± 15 seconds
Free Rise Density	2.5 ± 0.2 lb/ft ³	4.0 ± 0.2 lb/ft ³	2.5 ± 0.2 lb/ft ³
Dimensional Stability, % vol change after 7 days, 70°C (158°F), >90%RH	< 2%	< -1%	< -3.7%

TYPICAL PHYSICAL PROPERTIES² (ASTM D3574)

	STANDARD	HD	RC
Compressive Strength, kN/m ² (psi)	41 psi	72 psi	46 psi
Tensile Strength, kN/m ² (psi)	61.5 psi	125 psi	73 psi
Flexural Strength, kN/m ² (psi)	88 psi	135 psi	97 psi
Shear Strength, kN/m ² (psi)	34 psi	56 psi	42 psi
Water Absorption, kg/m ² (lb/ft ²)	< 0.02 lb/ft ²	< 0.02 lb/ft ²	< 0.02 lb/ft ²
Closed Cell %	> 90%	> 90%	> 90%

¹Values shown are nominal and not intended to represent optimum processing conditions, which must be determined for each unique situation.

²Values shown are typical based on laboratory-produced specimens. Actual properties may vary depending on processing conditions and part design.



SAFETY:

When working with any chemicals it is necessary to wear eye protection and gloves. It is necessary to understand hazards involved in handling all components, establish and follow safe work procedures, and comply with all OSHA, DOT, and EPA Regulations. Refer to SDS for specific details. All persons who work with components must know and follow proper safe handling procedures.

SHELF LIFE:

Twelve (12) months from date of manufacture when stored in original, unopened, containers at temperatures between 65–80°F. Consult with FSI before disposal or return if components exceed shelf life.

HANDLING:

As with all chemicals, care should be exercised when handling. Avoid contact with eyes, skin, and clothing. Eye protection and gloves are considered a minimum requirement and should be worn at all times while working with components. Refer to SDS for specific details regarding handling requirements.

STORAGE:

Do not store in direct sunlight. Containers should be stored under cover and protected from contact with rain or snow. Water should not be able to accumulate where it can be drawn into the containers. Ideal storage temperatures are 50°F (10°C) to 75°F (24°C). Keep containers sealed until use. Refer to SDS for further information or contact FSI for assistance.

STEWARDSHIP:

FSI and its subsidiaries are committed to stewardship and have a concern for the health and safety of all individuals who come in contact with its products, as well as the environment. This philosophy is a foundation on which we assess information to appropriately protect individuals and preserve our environment. Success of stewardship rests with each and every individual involved in the cradle to grave life cycle of our products.

CUSTOMER RECOMMENDATIONS:

FSI strongly encourages customers to review their manufacturing, health, safety, and environmental processes and applications while evaluating its products.

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