

# 625

**Fibre Glast Developments Corporation**  
 385 Carr Drive  
 Brookville, Ohio 45309  
 Phone: 800.214.8572  
 Fax: 937.833.6555  
 www.fibreglast.com

## 6 lb. Polyurethane Mix and Pour Foam



### For Floatation, Sculpting, and Cavity Filling

Our #625/626 is a two-part, equal mix, self-rising, 6lb/ cu. ft. density closed-cell foam system. Foaming begins within 60 seconds after the two liquids are mixed and continues for several more minutes. The foam expands approximately 10 times its liquid volume before curing, and will fill any shape cavity. It does not react with oil or gasoline and it will not absorb water. #625/626 is ideal for structural void filling applications due to its excellent strength to weight properties. Additional applications for 6# Mix and Pour foam include detailed plug and sculpting applications, millwork, and coast guard buoys. Unlike polyester foams, polyurethane foam is compatible with both polyester and epoxy resins. This foam is designed to meet USCG Title 33, Chapter 1, Part 183.

Properties of "#625" A SIDE	
Appearance	Brown liquid
Brookfield Viscosity, @ 20 rpm	200 cps at 72°F
Specific Gravity	1.24
Storage Temperature	40°F - 90°F

Properties of "#625" B SIDE	
Appearance	Light amber liquid
Brookfield Viscosity, @ 20 rpm	450 cps at 72°F
Specific Gravity	1.13
Storage Temperature	40°F - 90°F

Application	
Mix Ratio: Parts by Weight	100 parts poly "#626" side / 112 parts iso "#625" side
Mix Ratio: Parts by Volume	100 parts poly "#626" side / 110 parts iso "#625" side

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

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Typical Properties of Mixed System at 72°F	
Cream Time	65 seconds
Gel Time	150 seconds
Track Free Time	180 seconds
Rise Time	250 seconds
Free Rise Core Density	6 pcf

Typical Physical Properties	ASTM
Free Rise Density	6 pcf
Compressive Strength (Parallel) / Modulus	133 psi / 3639 psi
Compressive Strength (Perpendicular) / Modulus	94 psi / 2349 psi
Shear Strength / Modulus	201 psi / 1707 psi
Tensile Strength / Modulus	112 psi / 224 psi
Closed Cell Content	>90%
Water Absorption	0.00 lb/ft <sup>2</sup>
Resistance to Solvents	Excellent
Resistance to Mold & Mildew	Excellent
Maximum Service Temperature	200°F

**Other Properties:**

- Meets Title 46 CFR 179.240 for flotation foam
- Meets USCG Title 33, Chapter 1, Part 183

\*The above values are average values obtained from laboratory experiments and should serve only as guide lines.

**Storage and Handling:**

Store the poly from 65°F to 85°F. Avoid moisture contamination during storage, handling, and processing. For both components, pad containers and day tanks with either nitrogen or dry air (desiccant cartridge or air dryer @ -40°F dew point). For optimum shelf life, the recommended storage temperature for iso is 64°F to 86°F. Do not expose iso to lower temperatures – freezing may occur. Shelf life is 6 months for factory sealed containers.

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