



## PRODUCT DATA SHEET

# Sharkthane Foam 2lb

### Typical Properties A side (ISO)

Viscosity, mPa-s @ 25°C:	150-200
Specific Gravity @ 25°C :	1.24
Appearance @ 25°C:	liquid

### Typical Properties B side (polyol blend)

Viscosity, mPa-s @ 25°C:	400-800
Specific Gravity @ 25°C :	1.18
Appearance @ 25°C:	viscous liquid

### Product Description:

2lb polyurethane, fire retarded, rigid foam systems are designed to meet a variety of requirements without sacrificing product quality. This system can be formulated in a wide range of densities from 1.8-6.0 pounds per cubic foot. The unique handling characteristics of the P series systems provide ease of mixing by hand or machine and produce a uniform product with excellent cell structure. This product does not contain any CFC blowing agents.

### Applications:

The P series systems have been formulated for use in the manufacturing of void filling applications, flotation and applications requiring fire retardant properties. **P 2.0 is Coast Guard Approved for Marine Applications such as lifeboats, rescue boats, life floats and buoyant apparatus. This product meets MIL-P-21929C in accordance with 46 CFR 160.035-3(u)(7) and FR meets MIL-F-83671 ¶ 3.13**

### Storage and Handling:

Containers for both A and B components should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Component B may be stored at ambient temperatures. Storage for Component A should be maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be re-heated in a well-ventilated oven for a period of time to re-liquefy solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

### Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. Safety data sheets and product labels. To obtain this information, contact your local Sharkthane distributor or sales rep.

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Typical Physical Properties @ 74 ° f		
Cream Time	Seconds	40-45
Rise Time	Seconds	260-300
Demold Time	minutes	5-20
Density	Lb/cubic foot	2.0
Compressive Strength, parallel	Psi	31
Compressive Strength, perpendicular	Psi	25
Shear Strength	psi	35
Closed cell content	%	92-96

Processing Characteristics		
Mix ratio by weight A/B		50/50