TECHNICAL DATA SHEET

EZF 2.0 FS

PRODUCT DESCRIPTION

EZF 2.0 FS polyurethane, fire retardant, rigid foam systems are designed to meet a variety of requirements without sacrificing product quality. It is specially formulated to extend foam reaction time. The unique handling characteristics of the EZF 2.0 FS systems provide ease of mixing either by hand or with E-Z Flow dispensing equipment and produce a uniform product with excellent cell structure. This product does not contain any CFC blowing agents.

APPLICATIONS

The EZF 2.0 FS systems have been formulated for a wide variety of applications, including flotation (U.S. Coast Guard approved, meets MIL-P-21929C), insulation (good R value), structural, and void fill. This product is also fire retardant and meets MIL-F-83671 specs. As a flotation foam, it can be used for marine applications such as lifeboats, rescue boats, life floats and buoyant apparatus.

STORAGE AND HANDLING

Containers for both A and B components should be kept tightly closed to prevent moisture infiltration. Do not reseal if moisture infiltration is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Component B should be stored at ambient temperatures, below 70°F (21.1°C). 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 reheated 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 the vapors of heated MDI can be dangerous. To heat the 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

Be sure to review all 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 product 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 E-Z Flow Foam Systems representative.

Limited Warranty and Disclaimer
SCAN HERE TO VIEW

Typical Properties Side-A (ISO)	
Viscosity @ 77°F (25°C)	150-200 cps
Specific Gravity @ 77°F (25°C)	1.24
Appearance @ 77°F (25°C)	Amber Liquid

Typical Properties Side-B (Polyol Blend)	
Viscosity @ 72°F (22.2°C)	400-600 cps
Specific Gravity @ 77°F (25°C)	1.18
Appearance @ 77°F (25°C)	Clear Viscous Liquid

Typical Physical Properties	
Cream Time	28-35 seconds
Rise Time	120-180 seconds
Demold Time	5-20 minutes
Density, pcf	2.2 lbs/ft^3 (35.2 kgs/m^3)
Compressive Strength, Parallel	31 psi (0.214 MPa)
Compressive Strength, Perpendicular	25 psi (0.172 MPa)
Shear Strength	35 psi (0.241 MPa)
Closed Cell Content	>92%
R Value	5.50
K Factor Initial	0.182 BTU/in./ hr /ft2/°F

Processing Characteristics	
Ratio, by Volume A:B	50:50

Initial Suggested Machine Settings	
Machine	E-Z Flow Gen IV Foam-In-Place System
Air Pressure Range for 2:1 Pumps operation	95-110 psi
Isocyanate (A) Side Initial Temperature Setting	105°F (40°C)
Polyol Resin (B) Side Initial Temperature Setting	115°F (46°C)

Different temperatures may be required for best results. Consult your E-Z Flow Representative for optimization. Temperatures above 140°F should be avoided on A-side.

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