E-Z FLOW FOAM SYSTEMS
A Division of American Polymers Corp.

TECHNICAL DATA SHEET

EZF 2502-6.0-W-NATURAL

Rigid Polyurethane Foam

Product Description

EZFLOAT EZF 2502-6.0-W-Natural polyurethane, fire retarded, rigid foam systems are designed to meet a variety of requirements without sacrificing product quality. The EZFLOAT EZF 2502 systems can be formulated in a wide range of densities from 1.8-6.0 pounds per cubic foot. The unique handling characteristics of the EZFLOAT EZF 2502 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

EZFLOAT EZF 2502-6.0-W-Natural series systems have been formulated for use in the manufacturing of void filling applications, flotation and applications requiring fire retardant properties. EZFLOAT EZF 2502-6.0-W-Natural 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 Side-A and Side-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. Side-B may be stored at ambient temperatures. Storage for Side-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

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

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)	liquid

Typical Properties Side-B (Polyol Blend)	
Viscosity @ 77°F (25°C)	600-900 cps
Specific Gravity @ 77°F (25°C)	1.18
Appearance @ 77°F (25°C)	viscous liquid

Typical Physical Properties	
Cream Time	40-50 seconds
Rise Time	200-250 seconds
Demold Time	5-20 minutes
Density, pcf	6 lbs/ft^3 (96.1 kgs/m3)
Compressive Strength, Parallel	80 psi (0.552 MPa)
Compressive Strength, Perpendicular	55 psi (0.379 MPa)
Shear Strength	70 psi (0.483 MPa)
Closed Cell Content	92%

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

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. material safety data sheets and product labels. To obtain this information, contact your E-Z Flow Foam Systems representative.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the E-Z Flow Foam Systems materials or have undergone training in application of E-Z Flow Foam Systems materials. Published technical data and instructions are subject to change without notice. Contact your local E-Z Flow Foam Systems representative or visit our website for current technical data, instructions, and project specific recommendations.

E-Z Flow Foam Systems warrants its products to be free of manufacturing defects and that they will meet E-Z Flow Foam Systems' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by E-Z Flow Foam Systems of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. E-Z Flow Foam Systems shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. E-Z Flow Foam Systems shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. E-Z Flow Foam Systems reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and E-Z Flow Foam Systems makes no claim that these tests or any other tests accurately represent all environments. E-Z Flow Foam Systems is not responsible for typographical errors.