

GRIZZLY GOLD™ 2lb HFO Pour Foam

Product Description:

Grizzly 2lb Pour Foam is a closed cell, medium-density, two-component rigid polyurethane pour foam. It is HFO based and complies with Montreal Protocol blowing agent regulations. It has superior insulation properties and is formulated as a pour-in-place system for marine applications and general cavity fill. Grizzly 2lb Pour Foam conforms to the US Coast Guard standard 183.114.

Recommended Uses:

- Marine Flotation
- General Cavity Fill
- Insulated Panels
- Cast in Place Architectural Moldings
- Parade Float Characters

Storage:

Store drums at 10-32°C (50-90°F). Keep Drums tightly sealed when not in use.

Processing Parameters

Grizzly 2lb Pour Foam should be processed through a plural component system at a 1:1 ratio by volume. For hand mixing procedures, contact a Grizzly specialist for more details.

Attribute	Isocyanate	Resin
Mixing Ratio (volume)	100	100
Mixing Ratio (weight)	108	100
Pressure	1200-1500 psi	
Pre-Heater Temperature	35-40°C (95-105°F)	
Hose-Heater Temperature	35-40°C (95-105°F)	

Reactivity Profile

Attribute	Hand Mix	Machine Mix
Cream Time	30-40 sec.	8-12 sec.
Gel Time	130-150 sec.	50-60 sec.
Tack Free Time	300-400 sec.	100-140 sec.
Free Rise Density	2.3-2.5 lbs/ft ³	2.1-2.3 lbs/ft ³



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Typical Properties

MIL-P-21919C

Attribute	Test	Results
Free-Rise Density	ASTM D-1622	2.3 lbs/ft ³
R-Value (2 Days)	ASTM C 518	6.8 @ 1"
R-Value (90 Days)	ASTM C 518	6.5 @ 1"
Compressive Strength	ASTM D-1621	24 psi
Dimensional Stability @ 40°F (4°C) @ 200°F (93°C)	ASTM D-2126	< 2% change < 15% change
Flexural Strength	ASTM D-790	32 psi
Flexural Modulus	ASTM D-790	690 psi
Shear Strength	ASTM D-273	31 psi
Shear Modulus	ASTM D-273	362 psi
Tensile Strength	ASTM D-1623	50 psi
Tensile Modulus	ASTM D-1623	770 psi
Oil resistance	ASTM D-471	No change
Closed Cell Content	ASTM D-6226	>90%

Liquid Component Properties

Attribute	Isocyanate	Resin
Colour	Brown	Amber
Viscosity	250 cps	600-900 cps
Specific Gravity	1.24	1.13
Shelf Life	12 months	6 months
Storage Temperature	10-32°C (50-90°F)	10-32°C (50-90°F)

Test of Flotation Material Performance

Conforms to US Coast Guard Code Article 183.114

Attribute	Test	Results
Type B Gas (30 days)	ASTM D2842- 97	0.35
Oil #2 (30 days)	ASTM D2842- 97	0.05
Phosphate Tri-sodium (30 days)	ASTM D2842- 97	0.47
Type B Gas Vapour (30 Days)	ASTM D2842- 97	1.06
None (Water only)	ASTM D2842- 97	1.84

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Grizzly Gold Technical Representative.