

TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data

PREMIPOUR™ 202M

MEDIUM DENSITY - CLOSED CELL FOAM

PremiPour™ 202M is a two component, nominal 2.0 pcf density, one to one by volume polyurethane foam formulated for pour-in-place applications. It is designed for floatation void fill and other applications. PremiPour™ 202M is not intended for use in building envelope applications. The PremiPour™ 202M polyurethane foam system can be hand mixed or use through plural component proportioning equipment designed for the volume of the pour application.

PremiPour™ 202M requires the use of an “A” component (ISO) and a blended “B” component (RESIN), which contains ZERO ozone depleting blowing agents.

Third Party Testing was completed and passed as described in Military Specification P-21929C: Plastic Material, Cellular Polyurethane, Foam-In-Place, Rigid (2 Pounds Per Cubic Foot). Test methods assigned or referenced include ASTM D 471: Standard Test Method for Rubber Property – Effect of Liquids, ASTM D 1621: Standard Test Method for Compressive Properties of Rigid Cellular Plastics, ASTM D 1622 Standard Test Method for Apparent Density of Rigid Cellular Plastics, ASTM D 2126: Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging, ASTM D 2341: Standard Specification for Rigid Urethane Foam, ASTM D 2842: Standard Test Method for Water Absorption of Rigid Cellular Plastics, and ASTM D 2856: Standard Test Method for Open Cell Content of Rigid Cellular Plastics by the Air Pycnometer. **Meets USCG Title 33, Chapter 1, Part 183.**

TYPICAL COMPONENT PROPERTIES:

PROPERTY	TEST METHOD	A COMPONENT	B COMPONENT
COLOUR	N/A	Brown	Brown
VISCOSITY	Brookfield LVF	200-250 CPS	375-475 CPS
SPECIFIC GRAVITY	ASTM D 1638	1.22	1.16
WEIGHT PER GALLON	Calculated	10.2	9.7
MIXING RATIO	By Weight By Volume	106 Parts 100 Parts	94 Parts 100 Parts

TYPICAL PHYSICAL PROPERTIES:

PROPERTY	PREMIPOUR™ 202M	TEST
R-VALUE	6.7 @ 1”	ASTM C 518
CORE DENSITY	2.0 lb/cubic ft.	ASTM D 1622
COMPRESSIVE STRENGTH (PSI)	28	ASTM D 1621
VOLUME CHANGE (HEAT AGING)	Pass	ASTM D 2126
VOLUME CHANGE (HUMIDITY AGING)	Pass	ASTM D 2126
COMPRESSION SET (%)	2.9	MIL-P-21929 C
WATER ABSORPTION (PSF)	.05	ASTM D 2842
UNICELLULARITY	12	ASTM D 2856 Proc. C
OIL RESISTANCE	Pass	MIL-P-21929 C
UL® 94 FLAME CLASS	Pass	HF-1

Note: The above values are average values obtained from laboratory tests and should only serve as guidelines.

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PROCESSING CHARACTERISTICS:

REACTIVITY @ 90°F	VALUE
MIX TIME	20 seconds
CREAM TIME	25-30 seconds
TACK FREE TIME	250-350 seconds
GEL TIME	120-140 seconds
FREE RISE DENSITY (CORE)	1.9 - 2.1 pcf

APPLICATION GUIDELINES: PremiPour™ 202M polyurethane foam systems should be processed through commercially available mixing equipment designed for that purpose by a professional applicator. It is the responsibility of the user to thoroughly understand all equipment and technical information and safe operating procedures that pertain to a polyurethane foam application.

EQUIPMENT AND COMPONENT RATIOS: Premipour™ 202M should be mixed by pour machines designed to mix polyurethane chemicals. Proportioning equipment should have the ability to control material temperatures and should be capable of fluid ratios of 1 part A to 1 part B by volume. For large voids or production projects a proportioned machine with a pouring gun or head is preferable. Use caution to avoid pouring too much polyurethane foam at a time which may allow the exothermic reaction and heat build up to cause charring or fire. The cavity being filled should be vented to relieve pressure from the rising foam.

MATERIAL HANDLING: Due to the reactive nature of these components respiratory protection is mandatory. The vapors and liquid aerosols present during application and for a short period thereafter must be considered – and appropriate protective measures taken – to minimize potential risks from overexposure through inhalation, skin, or eye contact. These protective measures include: adequate ventilation, safety training for installers and other workers, use of appropriate personal protective equipment, and a medical surveillance program.

It is imperative that the applicator read and become familiar with all available information on proper use and handling of polyurethane foam. Additional Information is available at spraypolyurethane.org, polyurethane.org or by contacting the Technical Services dept. of Accella Polyurethane Systems, LLC.

PROPER STORAGE OF RAW MATERIALS: Shelf life is six (6) months for 202M B component and twelve (12) months for 202M A component from date of manufacture when stored indoors, in the original unopened containers and between the temperatures of 65°-85°F. Keep drums tightly closed when not in use and under nitrogen pressure of 2-3 psi after they have been opened.

TECHNICAL ASSISTANCE: For additional assistance please contact the Technical Services dept. of Accella Polyurethane Systems, LLC. at (770) 607-0755.

DISCLAIMER: To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Accella Polyurethane Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Accella Polyurethane Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ACCELLA POLYURETHANE SYSTEMS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MANUFACTURED BY:

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EMERGENCY NOTIFICATIONS:

CHEMTREC : Material Leaks, Spills or Fire (800) 424-9300

