

# TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data

# foamsulate™

An Accella Brand

## FOAMSULATE™ 1000

### HIGH DENSITY • CLOSED CELL FOAM

Foamsulate™ 1000 is a two component, high density, one to one by volume spray applied polyurethane foam. To produce Foamsulate™ 1000 requires the use of an “A” component (ISO) and a blended “B” component (RESIN), which contains ZERO ozone depleting blowing agents, catalysts, polyols and fire retarding materials. Foamsulate™ 1000 is a 10.0 pcf density closed cell insulating material. Foamsulate™ 1000 has the typical air barrier and vapor impermeable characteristics associated with our closed cell Foamsulate™ systems. Foamsulate™ 1000 is popular for use in the agricultural, livestock and poultry industries.

### TYPICAL PHYSICAL PROPERTIES:

PROPERTY	FOAMSULATE™ 1000	TEST
R-VALUE	6.7 @ 1”	ASTM C 518
CORE DENSITY	Nominal 10 lb/cubic ft.	ASTM D 1622
CLOSED CELL CONTENT	> 96%	ASTM D 6226

**GENERAL PROPERTIES:** Foamsulate™ 1000 is a 10.0 pcf density closed cell insulating material. Foamsulate™ 1000 is designed for use where insulation systems require superior air barrier characteristics along with the ability to minimize moisture infiltration. Foamsulate™ 1000 has a 6.7 per inch R-value rating while providing structural enhancement due to its semi-rigid nature when cured. When properly installed by a professional application company Foamsulate™ 1000 quickly expands to fill the cracks, crevices, gaps and voids that exist in every structure. In addition Foamsulate™ 1000 will conform to the curves, irregular surfaces and spaces to form a superior thermal envelope around your entire structure.

**THERMAL BARRIER:** Current International Building Code (IBC) and International Residential Code (IRC) require that spray polyurethane foam be separated from the building interior by a code prescribed 15-minute thermal barrier or a code-approved alternative. Gypsum board at a minimum thickness of 1/2” is a code prescribed 15-minute thermal barrier.

**VAPOR RETARDER:** When installed at a minimum thickness of 1.5” Foamsulate™ 1000 is considered a vapor retarder. Consult local building code officials for specific requirements. Climate zone tables are available in current IBC and IRC publications.

**APPLICATION GUIDELINES:** Polyurethane foam systems should be processed through commercially available spray equipment designed for that purpose by a qualified professional applicator. Consult the current Accella™ Polyurethane Systems application guidelines for Foamsulate™ 1000 prior to installation. It is the responsibility of the professional applicator to thoroughly understand all equipment technical information and safe operating procedures that pertain to a spray polyurethane foam application.

### MANUFACTURED BY:

ACCELLA™ POLYURETHANE SYSTEMS, LLC  
100 Enterprise Drive Cartersville, GA 30120  
(844) 922-2355 • [accellacorp.com](http://accellacorp.com)

### EMERGENCY NOTIFICATIONS:

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

**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 spray polyurethane foam. Additional Information is available at [spraypolyurethane.org](http://spraypolyurethane.org), [polyurethane.org](http://polyurethane.org) or by contacting the Technical Services dept. of Accella™ Polyurethane Systems, LLC.

**PROPER STORAGE OF RAW MATERIALS:** Shelf life is twelve (12) months from date of manufacture when stored indoors, in the original unopened containers and between the temperatures of 40°-80°F.

**TECHNICAL ASSISTANCE:** For additional assistance please contact the Technical Services dept. of Accella™ Polyurethane Systems, LLC. at (844) 922-2355.

**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™ to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Accella™. 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™ EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

