



Surface Burning Characteristics - Test Dates 2/2/2005, 10/26/10

Class A (Class 1) Rating per ASTM E-84-10

Flame Spread Index – 25 or less

Smoke Developed Index – <450

Thermal Resistance - Test Date 11/15/2005

R-Value per Inch = 5.0 / inch @ 25°F per ASTM C-518

R-Value per Inch = 4.6 / inch @ 75°F per ASTM C-518¹

¹FTC Rule 460 (Home Insulation Rule) requires R-Value disclosure @75°F for residential applications.

Foam Density - Test Date 11/15/2005

0.8-1.8 lb/ft³ ± 6% per ASTM D-1622

Formaldehyde Content of Cured Foam - Test Dates 10/28/2008, 6/2/2010

<100 ppb per ASTM D-5116

VOC Emissions of Cured Foam - Test Date 9/29/2008

<100 ppb

Fire Resistance Rating

*As with all foam-in-place amino-plast insulating foams, **InsulSmart Interior Foam Insulation** neither adds to nor detracts from the fire-rating of a wall.*

Dimensional Stability (Shrinkage) - Internal-Ongoing Evaluations

0.0 to 1.0%

Shelf-Life of Blended Foam Components

14 Days

Compressive Strength - Test Date 12/18/2005

4.50 lb/in² H" 650lb/ft² per ASTM D-1621 @ 0.95" thick

Water Vapor Transmission per ASTM E-96 - Test Dated 11/29-12/2/2005

10.6 perms per ASTM E-96-05

Accelerated Aging - 1/9/2009

70°C – 97% Relative Humidity per ASTM C1029 (D2126) – Passed

-40°C – Ambient Relative Humidity per ASTM C1029 (D2126) - Passed

Shelf-Life of Blended Foam Components

14 Days

Resistance to Mold Growth - Test Date 12/23/2009

Passed per ASTM C-1338-08

Contains 3 EPA Listed Antifungal Additives Including MOLD-CARE™