



**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 = 5.2 / inch @ 25°F per ASTM C-518*

*R-Value per Inch = 4.6 / inch @ 75°F per ASTM C-518<sup>1</sup>*

*<sup>1</sup> FTC 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/ft<sup>3</sup> ± 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 Content of Cured Foam - Test Date 9/29/2008**

*Zero detectable emissions*

**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/in<sup>2</sup> H" 650 lb/ft<sup>2</sup> per ASTM D-1621 @ 0.95" thick*

**Water Vapor Transmission - Test Date 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™**