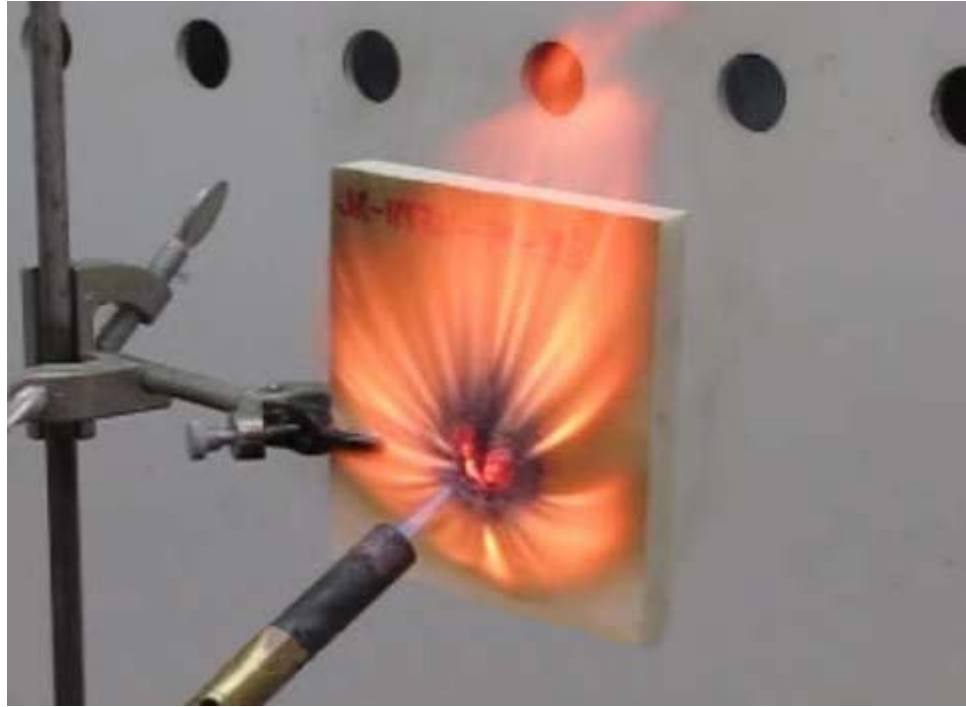


SprayEZ

**Spray Equipment
and Coatings**



SprayEZ Closed Cell Foam is an insulating material designed to withstand direct flame contact. It produces very low smoke and flame spread. The material develops an intumescent fire barrier which provides a protective shield against constant flame and extreme heat conduction to interior surfaces. These closed cell foams range in varying densities from 0.5-50 pcf for use in diverse fire protection system applications. **SprayEZ Closed Cell** is formulated as a Halogen-free, Class 1 fire rated foam containing renewable resource “Green” materials.

SprayEZ Closed Cell Foam delivers toughness and dimensional stability from -20F (-29C) to 250 F (130C). It is used in a variety of construction applications such as in roof, wall and floor building insulation and structural sandwich panel construction foam core materials. These materials have been designed to accommodate HFC 245 or Pentane blowing agent for maximum R-values. This material has been designed for use in economical Continuous Panel Laminator machines as shown below.



Technical Application Data

o -- Foam is a two component 100% solids spray formulation which does not contain VOCs. This material may require the use of a primer to obtain proper adhesion on certain substrates. All surfaces must be clean and free of contaminants and no moisture. Application temperature ranges from 50°F to 120°F. Gel Time may be adjusted to fit application. Typically, gel is 8-10 sec at 75°F with full cure in 24 hours. Use standard 1:1 high pressure plural component spray machine such as Graco EXP2. Functional operation temperature ranges from -40°F to 300°F. Application spray thickness should be based on continuous build. Foam coverage depends directly density, temperature of substrate, material and ambient conditions.

Physical Properties

	ASTM D1622	1.5	1.75	2.0	2.5	3.0	4	6	10
DENSITY (PCF)									
Fire Rating	ASTM E84	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Thermal Resistance (R value)	ASTM C518	5.5	6.0	6.5	6.5	6.5	6.0	5.0	4.0
Compressive Strength (psi)	ASTM D1621	15	19	25	37	50	82	140	201
Shear Strength (psi)	ASTM C273	17	20	22	26	30	35	85	127
Shear Modulus	ASTM C273	207	224	231	253	280	312	788	1011
Tensile Strength (psi)	ASTM D1623	25	35	40	44	52	62	165	227
Flexural Strength (psi)	ASTM C203	40	45	50	56	90	123	204	312
Flexural Modulus	ASTM C203	164	330	522	963	1400	2356	4785	7055
Water Absorption 24 hr (%vol)	ASTM D2842	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1
Water Vapor (perm-in)	ASTM E96	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fungi Resistance	ASTM C 1338	None	None	None	None	None	None	None	None
Closed Cell Content (%)	ASTM D2856	>80	>85	>90	>90	>95	>95	>95	>95

Adhesion Results

Adhesion Results of Typical Substrates per ASTM D-4541 Elcometer

Concrete- Primed	>3000 psi	Concrete cohesive failure; excellent bonding
Steel- Primed	>1000 psi	Excellent bonding
Wood- Primed	>300 psi	Wood failure; excellent bonding