



## SPECIFICATION DATA

### 1. Product Name

Versi-Foam® Systems 1, 9, 15 and 50 Class I Disposable Foam Kits

### 2. Manufacturer

RHH Foam Systems, Inc.  
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### 3. Product Description

Versi-Foam® Systems 1 Class I, 9 Class I, 15 Class I, and 50 Class I are disposable, closed-cell, low-pressure spray foam kits consisting of two chemical components (Component A: isocyanate and Component B: polyol blend), patented U-Control dispensing gun, two multi-purpose mixing nozzles (System 1) or ten multi-purpose mixing nozzles (Systems 9, 15 and 50), nitrile gloves, and packet of petroleum jelly. These systems contain a flame retardant formula, meeting requirements of ASTM E-84 as a Class I product. They do not require any external power source.

### 4. Technical Data

Versi-Foam® Systems 1 Class I, 9 Class I, 15 Class I, and 50 Class I have the following physical properties:

#### DENSITY (ASTM D1622):

Free Rise	1.75 lb/f <sup>3</sup>
In Place	2.0 lb/f <sup>3</sup>

**R FACTOR** at 1" thickness (ASTM C518): 6.7

**COMPRESSIVE STRENGTH** (ASTM D1621): 15.9 psi (parallel)

**CLOSED CELL CONTENT** (ASTM D2856): >95%

#### DIMENSIONAL STABILITY (ASTM D2842):

% Volume Change, 158°F, 100 RH, 7 days	3.13
% Volume Change, -80°F, 7 days	-0.29

#### DIMENSIONAL STABILITY (ASTM D2126):

% Volume Change, 158°F, 100 RH, 7 days	2.01
% Volume Change, -60°F, 7 days	-0.42

#### TEMPERATURE TOLERANCE:

High Temperature Tolerance	250° F
Low Temperature Tolerance	-250° F

**AIR BARRIER PROPERTIES** at 75 Pa (ASTM E283): 0.005 L/s/m<sup>2</sup>

**PERM RATING** at 1" / at 3" (ASTM E96): 3.70 Perms / 1.83 Perms

**TENSILE STRENGTH** (ASTM D1623): 36.14 psi

**FLAMESPREAD** at 2" thickness (ASTM E84): 20

**SMOKE DEVELOPED** at 2" thickness (ASTM E84): 300

**FUNGI RESITANCE** (ASTM G21) No Growth

**TACK FREE TIME:** 30-40 seconds

**RISE TIME:** 30-40 seconds

#### YIELD:

System 1 Class I	1 f <sup>3</sup>   12 f <sup>2</sup> @ 1" thick
System 9 Class I	9 f <sup>3</sup>   108 f <sup>2</sup> @ 1" thick
System 15 Class I	16.5 f <sup>3</sup>   200 f <sup>2</sup> @ 1" thick
System 50 Class I	50 f <sup>3</sup>   600 f <sup>2</sup> @ 1" thick

- Versi-Foam® products do not contain any CFC's, Penta-BDE's, VOC's, or Urea-Formaldehyde.
- Published yields are theoretical and vary based on several factors, including ambient conditions and specific application.
- Always use recommended personal protective equipment when using polyurethane foam products. Refer to the Material Safety Data Sheet for additional information on safe use and handling of Versi-Foam® Systems.



## 5. Code Compliances

Versi-Foam® Class I Systems comply with the following codes:

- National Fire Protection Association – per NFPA 286 testing, cured product can be left exposed in a non-fire-resistant-rated roof/wall juncture, when applied at a maximum 6” high and 2” deep (unlimited width).