TECH DATA SHEET

1. PRODUCT NAME

Touch 'n Seal® Foam Kit 1.75 pcf FR ICC

2. MANUFACTURER

DAP Foam Inc.
307 Integram, Pacific, MO 63069 USA
Phone: (636) 349-5855
Toll Free: (800) 325-6180
FAX: (636) 349-5335

E-mail: support@touch-n-seal.com
Website: www.touch-n-seal.com

3. PRODUCT DESCRIPTION

Touch 'n Seal Foam Kit 1.75 pcf FR ICC is a two-component foam system, available in a variety of low-pressure dispensing units. When used according to manufacturer's directions, Foam Kit 1.75 pcf FR ICC produces a closed cell rigid polyurethane foam with ASTM E-84 Class A (I) fire resistance. The system complies with 2006, 2009 and 2012 IBC, IRC, and IECC as supported by ICC Evaluation Services listing ESR-3052.

Basic Use

Touch 'n Seal Foam Kit 1.75 pcf FR ICC is suitable for Type V (B) construction where code jurisdictions require an ICC-ES listing to demonstrate code compliance.

Sizes:

Product	Yield, Bd. ft.*	Item #
FOAM KIT 200 1.75 PCF FR ICC	200	4004001200
FOAM KIT 600 1.75 PCF FR ICC	600	4004521600
FOAM KIT 600 1.75 PCF FR ICC Replacement	600	4004521601
CP-750 1.75 PCF FR ICC	750	4505500750
RF-17 1.75 PCF FR ICC	2000	4505200000
RF-60 1.75 PCF FR ICC	6800	4505170000
RF-120 1.75 PCF FR ICC	15,400	4505113000

Features/Benefits

- Medium density spray polyurethane foam insulates and seals
- Saves energy
- Increases comfort by reducing drafts
- Foam Kits contain everything needed – ready to use
- No shaking or pre-mixing required
- Applied with patented no-crossover applicator
- Closed cell structure
- Cured foam does not shrink or settle
- Reduces vibration and sound transmission
- Low-odor formulation
- Easy to transport
- Low maintenance
- Increases structural strength
- 15 month shelf life

Limitations

- Chemical contents must be 70° – 90°F (21° – 32°C) prior to spraying.
- Surface and ambient temperatures should be between 60° – 90°F (16° – 32°C).
- Foam is combustible. Do not expose to temperatures above 250°F (121°C), open flames or sparks.
- Do not expose uncoated foam to sunlight or UV.
- Do not use for filling closed gypsum board stud wall cavities.
- Product is not a fire stop.
- Refer to local building code authorities for guidance in construction applications. Ignition or thermal barrier coating may be required over exposed foam.

4. TECHNICAL DATA

Applicable Methods & Standards

- ASTM G21 Fungi Resistance
- ASTM E84 Surface Burning Characteristics
- ASTM E96 Vapor Permeance
- ASTM E283 Air Permeance
- ASTM C518 R-Value
- ASTM D1621 Compressive Strength
- ASTM D1622 Density
- ASTM D1623 Tensile Strength
- ASTM D2126 Dimensional Stability
- ASTM D6226 Closed Cell Content

5. SAFE USE AND HANDLING

- Keep out of reach of children.
- Always wear proper personal protective equipment, including head covering, gloves, clothing, eyewear and respirator.
- Use in well-ventilated area.
- Refer to product Safety Data Sheet (SDS) and the "Safe Use, Storage and Handling for Low Pressure Spray Foam Products" brochure, both available from Customer Service at 800-325-6180 or at www.touch-n-seal.com prior to handling or using Touch 'n Seal products.

Storage & Disposal

- Store containers tightly closed in a well-ventilated area between 60° – 90°F (16° – 32°C). Storage above 90°F (32°C) will reduce shelf life.
- Storage below 60°F (16°C) may cause crystals to form in A-component.
- Do not store at temperatures above 120°F (49°C).
- Do not expose containers to conditions that may damage, puncture, or burst the containers.
- Dispose of leftover material / containers in accordance with federal, state and local regulations.
- See Safety Data Sheet for more information.
- Refer to "Foam Kit Operation Instructions" for storage of partially used disposable Foam Kits.

Shelf Life

15 months in unopened container when stored between 60° – 90°F (16° – 32°C), in a dry, well-ventilated area.

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6. INSTALLATION / APPLICATION

Refer to local building code authorities for guidance in construction applications. Touch 'n Seal spray foam can be applied to and will adhere to almost any traditional building material surfaces including; wood, concrete, polystyrene, gypsum board, fiberboard, masonry and metal.

Surfaces to be sprayed must be dry, clean and free of dust, dirt, grease and other substances that may inhibit proper adhesion. For best results apply Touch 'n Seal foam when surface and ambient temperatures are between 60° – 90°F (16° – 32°C). Chemical contents must be between 70° – 90°F (21° – 32°C) before dispensing.

Use all chemical contents within 30 days of initial dispensing.

7. AVAILABILITY

Touch 'n Seal Two Component Spray Foam Kits are available throughout the U.S., Canada, Mexico and the world. Contact DAP Customer Service at 800-325-6180 or FAX 636-349-1708 for distributor information.

8. WARRANTY

If product fails to perform when used as directed, within one year from the date of purchase, call 1-888-DAP-TIPS, with your sales receipt and product container available, for replacement product or sales price refund. DAP will not be responsible for incidental or consequential damages.

9. MAINTENANCE

Refer to "Foam Kit Operation Instructions."

10. TECHNICAL SERVICE

Technical assistance, including detailed information, product literature, test results, assistance with preparing project specifications and application training is available by contacting 1-888-DAP-TIPS.

TYPICAL PROPERTIES OF Touch 'n Seal® Foam Kit 1.75 pcf FR ICC

Property	Test Method	Typical Values	
Shelf Life		15 months; unopened container	
Dry time / Tack Free Time		45 seconds	
Cuttable Time		5 minutes	
Fully Cured Time		1 hour	
R-Value, aged 1 in. 2 in.	ASTM C518	 5.4 h·ft^2·°F/Btu (0.95 K·m^2/W) 11 h·ft^2·°F/Btu (1.9 K·m^2/W)	
Compressive Strength	ASTM D1621	31 psi (214 kPa)	
Tensile Strength	ASTM D1623	31 psi (214 kPa)	
Density, Free Rise	ASTM D1622	1.75 pcf (28 kg/m^3)	
Surface Burning Characteristics 2" thickness Flame Spread Index Smoke Developed	ASTM E84	 15 350	
Vapor Permeance	ASTM E96	1.77 perm @ 1 in. (25 mm) 0.98 perm @ 2 in. (50 mm) 0.69 perm @ 3 in. (75 mm)	
Air Permeance	ASTM E283	< 0.004 CFM / ft^2 (< 0.02 L/s/m^2)	
Dimensional Stability, % volume change	ASTM D2126	- 4 °F (- 20°C)	0.9%
		158°F (70°C) / 97% r.h.	5.7%
		176 °F (80°C)	1.6%
Sound Transmission Class (STC Rating)	ASTM E90	32 @ 1 ½ in. (38 mm)	
Closed Cell Content	ASTM D6226	>90%	
Fungi Resistance	ASTM C1338	Does not support growth	

**Theoretical yield is used as an industry standard to represent the size of two-component foam kits. The calculation is based upon ideal conditions, does not include blowing agent loss, and may vary according to application method or environmental factors.*

The higher the R-value the greater the insulating power. Ask your seller for the fact sheet on R-values.

The information contained herein was accurate at the time of publishing. Please refer to the Touch 'N Seal website for the latest information.