



# TECH DATA SHEET

## 1. PRODUCT NAME

Touch 'n Seal® Spray Polyurethane Foam Refill Systems  
1.75 pcf (28 kg/m<sup>3</sup>) Density

Touch 'n Seal RF-17 - # 4505100000  
Touch 'n Seal RF-60 - # 4505160000  
Touch 'n Seal RF-120 - # 4505112000

## 2. MANUFACTURER

Convenience Products  
866 Horan Dr., Fenton, MO 63026 USA  
(636) 349-5855  
(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 Spray Polyurethane Foam Refill Systems are portable, returnable/refillable dispensing systems that, when used according to manufacturer's directions, supply Class I fire retardant, thermal insulating and sound attenuating 2-component polyurethane spray foam. Touch 'n Seal spray foam is permanent and dries within minutes of application.

Touch 'n Seal Spray Polyurethane Foam Refill Systems are for high volume foam users. The system consists of "A" and "B" chemical tanks, chemical filters, on/off valves, a high-pressure regulator, nitrogen hoses, chemical dispensing hoses and a foam applicator. Dry nitrogen is used to pressurize the system.

The "System" provides quick and easy foam application for repair, renovation, new installations and production applications.

### Basic Use

Touch 'n Seal Spray Polyurethane Foam Refill Systems are suitable for use in commercial, residential, agricultural, transportation and many other applications. Touch 'n Seal spray foams offer increased structural strength, support, superior sound and thermal insulation and protection against energy-robbing air infiltration, thus reducing building energy consumption.

### Sizes

Touch 'n Seal RF-17 - Item # 4505100000  
2,000 bd ft (185.5 m<sup>2</sup> @ 25 mm)

Touch 'n Seal RF-60 - Item # 4505160000  
6,800 bd ft (631.7 m<sup>2</sup> @ 25 mm)

Touch 'n Seal RF-120 - Item # 4505112000  
15,400 bd ft (1,430.7 m<sup>2</sup> @ 25 mm)

### Features/Benefits

- Class 1 fire retardant foam
- No expensive maintenance
- Low investment cost
- Reduces energy loss by as much as 40%
- Reduces use of fossil fuels and improves air quality
- Permanent insulation; does not shrink or settle like cellulose; maintains air seal
- Compatible with all fiber insulation systems including cellulose, fiberglass and rockwool
- No Ozone Depleting Chemicals
- Helps to reduce Green House Gas Emissions
- Expands to fill smallest to largest gaps, cracks and holes, reducing air exchanges
- High R-value
- Closed cell structure
- Allows for down-sized HVAC systems; uses less energy, fewer cycle times, more consistent "comfort level," reduced equipment maintenance
- Significantly increases structural strength; important in high wind situations (per the Spray Polyurethane Foam Alliance)

### Limitations

- Not for use as an exterior roofing system.
- Do not expose to temperatures above 250°F (121°C), open flames or sparks.
- Not for exposure to ultraviolet light.
- Chemical contents must be 70°F - 90°F (21° - 32°C) prior to spraying.
- Do not store in temperatures above 120°F (49°C).
- Always refer to local building code regulations.
- Certain structures such as cold storage and freezers have very specific design criteria. Ensure the structure has been designed by an appropriate design professional.
- Do not apply in layers more than ½" thick (12 mm) at a time. Allow foam to cool between the application of additional layers.
- Product is not a fire stop.
- Do not leave product exposed. Cover with approved facings

## 4. TECHNICAL DATA

### Applicable Standards

- ASTM G21 Fungi Resistance
- ASTM E84 Surface Burning Characteristics
- ASTM E96 Water Vapor Transmission
- ASTM E283 Air Permeance



- ASTM C518 R-Value
- ASTM D1621 Compressive Strength
- ASTM D1622 Density
- ASTM D1623 Tensile Strength
- ASTM D2126 Thermal and Humid Aging – Dimensional Stability
- ASTM D6226 Closed Cell Content

### Approvals/Certifications

- International Residential Code
- California Bureau of Home Furnishings and Insulation

### Physical/Chemical Properties

See "Typical Properties" table. Test data available upon request.

### Fire Performance @ 2" (51mm)

- Flame Spread Index: 15
- Smoke Development: 250

### Shelf Life

1 year in unopened cylinder when stored between 60° - 90°F (16° - 32°C), in a dry, well ventilated area.

### Storage & Disposal

Keep containers tightly closed in a cool, well-ventilated area. Ideal storage temperature is 60° - 90°F (16° - 32°C). Storage above 90°F (32°C) will reduce shelf life. Do not store at temperatures above 120°F (49°C). Do not expose containers to conditions that may damage, puncture, or burst the containers. See Material Safety Data Sheet for more information. Refer to Quick Start Guide for additional details regarding storage.

## 5. INSTALLATION / APPLICATION

Please refer to the Touch 'n Seal® Spray Polyurethane Foam Refill Systems Quick Start Guide found attached to the product cylinders or request a faxed set of these instructions by calling Customer Service at 800-325-6180.





# TECH DATA SHEET

Always refer to local building codes prior to application of Touch 'n Seal spray foam. 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 spray 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.

Refer to "Quick Start Guide" for additional details regarding storage of partially dispensed refill systems.

**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.

## 6. AVAILABILITY & COST

### Availability

Touch 'n Seal Spray Polyurethane Foam Refill Systems are available throughout the U.S. and Canada. Contact Convenience Products Customer Service at 800-325-6180 or FAX 636-349-5335 for distributor information.

### Cost

Contact Convenience Products for local distributors who can provide cost and delivery information.

## 7. WARRANTY

Convenience Products warrants its Touch 'n Seal Spray Polyurethane Foam Refill Systems to be free of defects in workmanship and function.

Convenience Products is not liable for any incidental, consequential or any other damages or remedies. There are no warranties that extend beyond the description herein, however, certain states have specific laws regarding limitation on incidental or consequential damages, in which case, you may have other legal rights.

## 8. MAINTENANCE

Minor. Refer to "Quick Start Guide".

## 9. TECHNICAL SERVICE

Technical assistance, including detailed information, product literature, test results, assistance with preparing project specifications and application training is available by contacting Convenience Products.

## 10. FILING SYSTEMS

Additional information is available from the manufacturer upon request.

### TYPICAL PROPERTIES OF TOUCH 'N SEAL SPRAY POLYURETHANE FOAM REFILL SYSTEMS – 1.75 PCF/28 kg m<sup>3</sup>

Shelf Life	1 year; unopened cylinder	
Output	2,000 bd ft (185.5 m <sup>2</sup> @ 25 mm) 6,800 bd ft (631.7 m <sup>2</sup> @ 25 mm) 15,400 bd ft (1,430.7 m <sup>2</sup> @ 25 mm)	
Touch 'n Seal RF-17		
Touch 'n Seal RF-60		
Touch 'n Seal RF-120		
Dry time/Tack Free Time	30 – 60 seconds	
Fully Cured	Approximately 1 hour	
Cuttable	2 – 5 minutes	
ASTM G21 Fungi Resistance	Does not support growth	
ASTM E84 Surface Burning Characteristics @ 2" (51 mm)		
Flame Spread	15	
Smoke Development	250	
ASTM E96 Water Vapor Transmission	2.80 perms @ 1 in. (25 mm)	
ASTM E 283 Air Permeance	< 0.01 ft <sup>3</sup> /sec/ft <sup>2</sup> (< 0.05 L/s/m <sup>2</sup> )	
ASTM C518 R-Value – Initial	7.12 / in. (25 mm)	
ASTM D1621 Compressive Strength	13.1 psi (0.92 kgf /cm <sup>2</sup> )	
ASTM D1622 Density	1.75 ± .1 pcf (28.03 ± 1.60 kg/m <sup>3</sup> )	
ASTM D1623 Tensile Strength	38.23 psi (2.69 kgf/cm <sup>2</sup> )	
ASTM D2126 Thermal and Humid Aging – Dimensional Stability	Linear	Mass
-40°F (-40°C) 2 weeks	+0.05%	+0.10%
158°F (70°C) 2 weeks	+1.90%	-2.95%
Combined -40°F (-40°C) 2 weeks & 158°F (70°C) 2 weeks	+1.85%	-2.85%
ASTM D6226 Closed Cell Content	> 90%	
International Residential Code	Compliant	
California Bureau of Home Furnishings and Insulation	Filed	

