



# TECH DATA SHEET

Thermal Protection 07 21 19  
Foamed In Place Insulation

## 1. PRODUCT NAME

Touch 'n Seal® Low Density Spray Foam  
1.0 pcf (16kg m<sup>3</sup>) Density

Home Sealing Foam Kit 300  
Item # 4004520300

Item # 4004520301 Replacement  
Chemical cylinders only

Home Sealing Foam Kit 1000  
Item # 4004521000

Item # 4004521001 Replacement  
Chemical cylinders only

CP1200FR  
Item # 4505501200

## 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 Low Density (1.0 pcf) Spray Foam is an open-cell, non-structural air sealing and insulating foam for use in both new construction and renovation of industrial, commercial, agricultural and residential properties.

Touch 'n Seal Low Density Spray Foam is available in 2 convenient formats; 1. Home Sealing Foam Kits are disposable, portable, self-contained, two-component spray foam dispensing systems. 2. Touch 'n Seal CP1200FR disposable chemical cylinders applied through the CPDS™ Series 2 dispensing system.

When used according to manufacturer's instructions, Touch 'n Seal Low Density Spray Foams reduce energy costs by eliminating structural air infiltration and improve indoor air quality by sealing out dust and pollen. It cures within minutes, forming a permanent Class 1 fire-retardant air seal.

### Basic Use

Touch 'n Seal Low Density Spray Foam is formulated and designed for use in commercial, industrial and residential "flash and batt" air sealing applications. Home Sealing Foam Kits and CP1200FR offer a superior building envelope control solution when used to "picture frame" around studs and thinly coat the wall cavity at ¼" – 1" thick. The cavity fill should then be finished with traditional fiberglass or cellulose insulation.

### Sizes

Foam Kit 300, #'s 4004520300 & 4004520301

300 board feet (27.8 m<sup>2</sup> @ 25 mm) @ 1.0 pcf (16kg m<sup>3</sup> density)

Foam Kit 1000, #'s 400452100 & 4004521001

1000 board feet (92.9 m<sup>2</sup> @ 25 mm) @ 1.0 pcf (16kg m<sup>3</sup> density)

CP1200FR, # 4505501200

1200 board feet (111.5 m<sup>2</sup> @ 25mm) @ 1.0 pcf (16kg m<sup>3</sup> density)

### Features/Benefits

- Class 1, fire-retardant
- Permanently air seals the building envelope; does not shrink or settle like cellulose
- Reduces energy loss
- Reduces use of fossil fuels and improves air quality
- Compatible with all fiber insulation systems including cellulose, fiberglass and rockwool
- No Ozone Depleting Chemicals or formaldehyde
- Helps to reduce Green House Gas Emissions
- Expands to fill smallest to largest gaps, cracks and holes, reducing air exchanges
- Allows for down-sized HVAC systems; uses less energy, fewer cycle times, provides a more consistent "comfort level", reduces equipment maintenance
- No deposit/no return
- No expensive maintenance
- Prevents dust and pollen infiltration
- Easy to transport

### Limitations

- Not for use as an exterior roofing system.
- Do not expose to temperatures above 200°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 1" thick (25 mm) at a time. Allow foam to cool between the application of additional layers.



- Product is not a firestop.
- Proper covering for this foam product may be required for various applications. TNS 2 component FR foam is permitted to be sprayed on sill plates and headers in thicknesses up to 3 ¼ inch thick according to ICC 2009 Building Codes. Refer to local building codes for details specific to your area.

## 4. TECHNICAL DATA

### Applicable Standards

- ASTM G-21 Fungi Resistance
- ASTM E-84 Surface Burning Characteristics
- ASTM E-96 Water Vapor Transmission
- ASTM E-283 Air Leakage
- ASTM C-518 R-Value
- ASTM D-1622 Density
- ASTM D-2856 Closed Cell Content
- ASTM D-6226 Open Cell Content

### Approvals/Certifications

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

### Physical/Chemical Properties

See Table. Test data available upon request.

### Fire Performance

- Flame Spread Index: 25 @ 1" (51 mm)
- Smoke Development: 145 @ 1" (51 mm)

### Shelf Life

1 year in unopened container 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.



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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 Material Safety Data Sheet for more information.

## 5. INSTALLATION / APPLICATION

Please refer to "Operation Instructions" found inside the product packaging or request a faxed set of these instructions by calling Customer Service at 800-325-6180.

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

Use all chemical contents within 30 days of initial dispensing.

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 manufacturer's Safe Use, Storage and Handling For Low Pressure Spray Foam Products brochure prior to handling Touch 'n Seal materials. You may request a copy of this document from Customer Service at 800-325-6180 or by downloading from [www.touch-n-seal.com](http://www.touch-n-seal.com).

## 6. AVAILABILITY & COST

### Availability

Touch 'n Seal Home Sealing Foam Kits and CP1200FR sets are available throughout the U.S., Canada, Mexico and the world. 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

Limited Warranty: Convenience Products warrants this product to be free from defects. The Company shall not be liable for any consequential or other damage or remedy; its

sole obligation and your exclusive remedy are limited to product replacement. Warranty is null and void if unit is operated without attaching a new spray foam applicator gun/hose set. Some states do not allow limitations on the exclusive or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. There are no warranties which extend beyond the description on the face hereof.

## 8. MAINTENANCE

Minor – Refer to Home Sealing Foam Kit and CP1200FR "Operation Instructions."

## 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.

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

### TYPICAL PROPERTIES OF TOUCH 'N SEAL LOW DENSITY SPRAY FOAM

Shelf Life	1 year; unopened container
Output/Yield* Foam Kit 300 Foam Kit 1000 CP1200FR	300 board feet ( 27.8 m <sup>2</sup> @ 25 mm) 1000 board feet ( 92.9 m <sup>2</sup> @ 25 mm) 1200 board feet (111.5 m <sup>2</sup> @ 25 mm)
Tack Free Time	30 – 60 seconds
Fully Cured	Approximately 1 hour
Cutable	2 – 5 minutes
ASTM G21 Fungi Resistance	Does not support growth
ASTM E-84 Surface Burning Characteristics @ 1" (25 mm) Flame Spread Smoke Development	25 145
ASTM E-96 Water Vapor Transmission	5.4 perms @ 1 in. (25 mm)
ASTM E-283 Air Leakage 1.57 psf (25 mpf) 6.24 psf (50 mpf)	0.003 cfm/sq ft 0.008 cfm/sq ft
ASTM C-518 R-Value - Initial	4.96 / in. (25 mm)
ASTM D-1622 Density	1.0 – 1.25 pcf/16.0 – 20.0 kg/m <sup>3</sup>
ASTM D-2856 Closed Cell Content	< 10%
ASTM D-6226 Open Cell Content	> 90%
International Residential Code	Compliant
California Bureau of Home Furnishings and Insulation	Listed

\* Yield calculation is based on ideal laboratory conditions, and does not include blow agent loss, and may vary according to application method and environmental factors.



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