



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 m³) 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 m² @ 25 mm) @ 1.0 pcf (16kg m³ density)

Foam Kit 1000, #'s 400452100 & 4004521001
1000 board feet (92.9 m² @ 25 mm) @ 1.0 pcf (16kg m³ density)

CP1200FR, # 4505501200
1200 board feet (111.5 m² @ 25mm) @ 1.0 pcf (16kg m³ 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.
- Do not leave product exposed. Cover with approved facings.

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.



Convenience Products
866 Horan Dr., Fenton, MO 63026 USA
(800) 325-6180, (636) 349-5855 tel.



TECH DATA SHEET

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. 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.

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

Convenience Products warrants its spray foam and spray foam kits 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, and you may have other legal rights.

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.

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 ² @ 25 mm) 1000 board feet (92.9 m ² @ 25 mm) 1200 board feet (111.5 m ² @ 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 | 4.0 / in. (25 mm) |
| ASTM D-1622 Density | 1.0 – 1.25 pcf/16.0 – 20.0 kg/m ³ |
| 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.

