



TECH DATA SHEET

Thermal Protection 07 21 19
Foamed In Place Insulation

1. PRODUCT NAME

Touch 'n Seal® Black Gun Foam 24 ounce (680 gm)
Item # 4004529813

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 Black Gun Foam is a high-performance, single component, moisture curing, Class 1 fire retardant, expanding polyurethane sealant. Black Foam contains UV inhibitors which eliminate the need for painting and is designed to blend in with landscaping, RV, automotive, HVAC and other similar applications. Black Foam is tack free in 30 minutes or less, can be trimmed in 1 hour and is fully cured in about 24 hours, depending upon humidity and temperature.

Basic Use

Use Touch 'n Seal Black Gun Foam sealant to permanently air seal and insulate gaps and cracks, block drafts, moisture and insects while improving comfort and reducing energy usage in commercial, industrial, agricultural and residential applications. Use to seal around plumbing, ventilation outlets, electrical junctions, between sill plates and concrete slabs, or anywhere you need a fast, economical air-sealing moisture barrier.

For fireblock and sealing applications refer to ICC-ES 1926 detail.

Touch 'n Seal Black Gun Foam provides a permanent insulating and air sealing solution for building component materials including wood, masonry, insulating foam boards, metal, wire insulation, plastics and sheetrock.

Use Touch 'n Seal Poly-Clean Foam Cleaner to clean wet Black Gun Foam from hands, tools and foam applicator guns.

Composition & Materials

Touch 'n Seal Black polyurethane one-component expanding foam sealant is

permanent, hypoallergenic and dries within minutes of application. Touch 'n Seal Black Gun Foam is non-toxic and will not decompose with age.

Sizes

Black Gun Foam
Item # 4004529813 - 24 ounce (680 gm)

Features/Benefits

- Suitable for use in outdoor applications
- Easy to use gun foam
- Class 1 fire retardant
- Provides a permanent seal against air, moisture and insect infiltration
- Easier to use than caulk type penetration sealants
- Bonds to common building materials including wood, concrete, insulating foam boards, metal, plastics and sheetrock
- Reduces energy loss
- Contains no CFC's, no HCFC's
- Does not shrink or settle as do many caulk type sealants
- Does not trap moisture, dust and allergens as does fiberglass insulation
- Expands to fill gaps and cracks up to 1/2" (12mm) wide, reducing air exchanges
- Reduces use of fossil fuels and improves air quality
- Helps to reduce Greenhouse Gas Emissions
- Closed cell structure
- Compatible with all fiber insulation systems including cellulose, fiberglass and rockwool
- Allows for down sized HVAC systems; uses less energy, fewer cycle times, more consistent "comfort level", reduces equipment maintenance
- Outperforms fiberglass

Limitations

- Do not expose to temperatures above 240°F (116°C), open flames or sparks
- Chemicals must be 50°F-100°F (10°C-38°C) prior to application
- Do not store in temperatures above 120°F (49°C) Always refer to local building code regulations
- Do not leave product exposed in occupied areas or areas expected to be occupied; cover with approved facings as required by code
- Propellant is flammable; read MSDS and do not use near high heat, sparks or open flame
- Not a fire stop material



4. TECHNICAL DATA

Applicable Standards

- ASTM E84 Surface Burning Characteristics
- ASTM C-273 Shear Strength
- ASTM C-273 Shear Strain
- ASTM C-518 R-Value
- ASTM C1536 Yield
- ASTM D-1621 Compressive Strength
- ASTM D-1622 Density
- ASTM D-1623 Tensile Strength
- ASTM D-2856 Closed Cell Content
- ASTM D5278 Percent Elongation At Break
- UL 1715 Fire Test

Approvals/Certifications

- Underwriters Laboratories Classified Caulking & Sealants

Physical/Chemical Properties

See Table. Test data available upon request.

Shelf Life

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

Storage and 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

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



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Foam expanding sealant can be applied to and will adhere to almost any traditional construct surfaces including wood, masonry, insulating foam boards, metal, plastics and sheetrock.

Surfaces to receive Touch 'n Seal foam sealants 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® Black Gun Foam expanding sealant when surface and ambient temperatures are between 60°- 100°F (16°-38°C). Temperature of chemical contents must be between 50°F- 100°F (10°C-38°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 gloves, clothing and eyewear. Use in well-ventilated area. Please refer to manufacturer's instructions or request a faxed set of instructions from

Convenience Products by calling Customer Service at 800-325-6180.

6. AVAILABILITY & COST

Availability

Touch 'n Seal polyurethane foams are available throughout the U.S., Canada, Mexico and the world. Contact Convenience Products Customer Service at 800-325-6180 or FAX 636-349-1708 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 products to be free of defects in workmanship and function. Convenience Products is not liable for any incidental, consequential or any other damages 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

None

9. TECHNICAL SERVICE

Technical assistance, including more 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

Shelf Life	1 year; unopened container
Dry time/Tack Free Time	Approximately 10 minutes (50% RH)
Fully Cured	Approximately 1 hour (50% RH)
Cutable	Approximately 30 minutes (50% RH)
ASTM E84 Surface Burning Characteristics	
Flame Spread	15
Smoke Development	25
ASTM C273	
Shear Strength	18 psi
Shear Strain	38 psi
ASTM C518 R-Value	4.5 /in.
ASTM C1536 Yield for Aerosol Foam Sealants	3,200 ft (975m) @ ¼" (6mm)
ASTM D1621 Compressive Strength	11 psi
ASTM D1622 Density	1.2 – 1.8 pcf
ASTM D1623 Tensile Strength	26 psi
ASTM D2856 Closed Cell Content	77%
ASTM D5278 Percent Elongation At Break	12%
UL 1715 Fire Test	Passed File R14175



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