



TECH DATA SHEET

Thermal Protection 07 21 19
Foamed In Place Insulation

1. PRODUCT NAME

Touch 'n Seal® Black Gun Foam

2. MANUFACTURER

DAP Foam Inc.
307 Integram, Pacific, MO 63069 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.

Cured 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

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 1-1/2" (38mm) 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

- Foam is combustible. Do not expose to temperatures above 240°F (116°C), open flames or sparks
- Chemicals must be 50°-100°F (10°-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-518 R-Value
- ASTM E-814 Modified for Fire Block
- ASTM C-1536 Yield
- ASTM D-1621 Compressive Strength
- ASTM D-1622 Core Density
- ASTM D-1623 Tensile Strength
- ASTM D-6226 Closed Cell Content
- ASTM D-5278 Percent Elongation At Break
- UL 1715 Fire Test

Approvals/Certifications/Listings

- Underwriters Laboratories Classified Caulking & Sealants

Physical/Chemical Properties

See Table.



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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). Avoid freezing. 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 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 DAP Customer Service at 800-325-6180 or FAX 636-349-1708 for distributor information.

7. 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.

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 1-888-DAP-TIPS.

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 BLACK GUN FOAM

Shelf Life	1 year; unopened container	
Surface Dry Time/Surface Tack Free Time	Approximately 10 minutes @ 72°F/50% R.H.	
Fully Cured	Approximately 1 hour @ 72°F/50% R.H.	
Cutttable	Approximately 30 minutes @ 72°F/50% R.H.	
ASTM E-84 Surface Burning Characteristics	UL-723 (3-3/4"beads)	ULC -S102 (3-17.5mm beads)
Flame Spread	15	10
Smoke Development	25	5
ASTM C-273 Shear Strength	18 psi	
ASTM C-518 R-Value	4 - 5 /in. (25mm)	
ASTM E-814 Modified for Fire Block	Pass	
ASTM C-1536 Yield for Aerosol Foam Sealants	3,200 ft (975m) @ ¼" (6mm)	
ASTM D-1621 Compressive Strength	11 psi	
ASTM D-1622 Core Density	1.3 – 1.8 pcf (20.8 – 28.8 kg/m ³)	
ASTM D-1623 Tensile Strength	26 psi	
ASTM D-6226 Closed Cell Content	77%	
NPFA 30B Classification	Aerosol Level 2	
UL 1715 Fire Test	PASS	