



TECH DATA SHEET

Thermal Protection 07 21 19
Foamed In Place Insulation

1. PRODUCT NAME

Touch 'n Seal Panel Bond
Polyurethane Foam Adhesive
24 ounce (680 g), Item # 4004532412

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

Panel Bond is a one-component drywall and subfloor adhesive designed to meet the needs of the general construction and manufactured housing industries. Panel Bond offers superior performance, permanently bonding to most common building materials such as concrete, wood, drywall, insulation panels and metal studs.

Basic Use

Use Touch 'n Seal Panel Bond polyurethane foam adhesive to permanently bond dry wall, wood panels, insulation panels or as a plywood subfloor adhesive. Panel Bond conforms to ASTM C-557 and CBSB-71.25, and has also been tested under ASTM E-72-80. Not for use as an underlayment material adhesive.

Composition & Materials

Touch 'n Seal Panel Bond polyurethane foam adhesive is permanent, hypoallergenic and dries within minutes of application. Panel Bond is non-toxic and will not decompose with age.

Sizes

Item # 4004532412, 24 ounce (680 g)

Features/Benefits

- Meets U.S.A. specifications for adhering drywall to wood framing (ASTM C557)
- Meets Canadian specifications for adhering drywall to wood framing and metal studs (CGSB 71.25-M88-CAN/CGSB)
- Fast bond strength

- Easier to use than caulk adhesives
- Replaces up to 30 – 10 ounce tubes of caulk type adhesive
- Bonds to common building materials including wood, concrete, insulating foam boards, metal, plastics and sheetrock
- Reduces floor squeaks
- Bridges uneven surfaces
- High shear strength
- Contains fire retardant
- No ozone depleting chemicals
- Does not shrink
- Closed cell structure.
- Does not contain solvents
- Does not contain urea formaldehyde

Limitations

- Do not expose to temperatures above 240°F (116°C), open flames or sparks.
- Not for use as an underlayment material adhesive.
- Not for exposure to ultraviolet light. 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.
- 1 component foams are not suitable for covering large areas or voids such as sill plates, headers or in stud wall cavities. Refer to ICC-ESR for Fireblock applications. Refer to local building codes for details specific to your area.
- Read MSDS and do not use near high heat, sparks or open flame.

4. TECHNICAL DATA

Applicable Standards

- ASTM E72 Rack Loading
- ASTM E96 Water Vapor Transmission
- ASTM C273 Shear Strength
- ASTM C273 Shear Strain
- ASTM C518 R-Value
- ASTM C557 - 03e1 Standard Specification for Adhesives for Fastening Gypsum Wallboard



to Wood Framing

- ASTM C1536 Yield
- ASTM D1621 Compressive Strength
- ASTM D1622 Density
- ASTM D1623 Tensile Strength
- ASTM D-2856 Closed Cell Content
- CGSB 71.25-M88-CAN/CGSB Adhesives, for Bonding Drywall to Wood Framing and Metal Studs
- UL 1715 Fire Test

Approvals/Certifications

- California Bureau of Home Furnishings and Insulation
- 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 greater than 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®



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foam adhesives.

The Touch 'n Seal® Panel Bond one-component expanding foam adhesive 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 adhesives 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® Panel Bond foam adhesive 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.

Read all directions and cautions before use. For additional information, see package label or MSDS. **Keep out of reach of children.** Always wear proper personal protective equipment, including gloves, clothing and eyewear.

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.

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 - not for use as an underlayment material adhesive 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.

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 PANEL BOND POLYURETHANE FOAM ADHESIVE

ASTM E96 Water Vapor Transmission	3.3 perm inch
ASTM C273	
Shear Strength	18 psi (1.27 kg/cm ²)
Shear Strain	57 psi (4.0 kg/ cm ²)
ASTM C518-4 R-Value	5.4 /in. (25 mm)
ASTM C1536 Yield	1/2in. (12mm) dia. bead – 750 ft. (228m)
ASTM D1621 Compressive Strength	11 psi (0.77 kg/cm ²)
ASTM D1622 Density	1.3 – 1.8 pcf (20.8 – 28.8 kg/m ³)
ASTM D1623 Tensile Strength	33 psi (2.3 kg/cm ²)
ASTM D-2856 Closed Cell Content	70 %
California Bureau of Home Furnishings and Insulation	Listed
Underwriters Laboratories Classified Caulking & Sealants	R14175



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