



TECH DATA SHEET

1. PRODUCT NAME

Touch 'n Seal® Subfloor Construction Adhesive

Item # 4006002470
24 ounce

2. MANUFACTURER

DAP Foam Inc.
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3. PRODUCT DESCRIPTION

Touch 'n Seal Subfloor Construction Adhesive is a high performance one-component moisture-cured polyurethane adhesive for permanently bonding to wood, drywall, most plastics, metal, fiberglass, carpet, and other common building materials. The adhesive dispenses as a foam froth, but quickly collapses to a viscous liquid gel to increase bond strength. As the adhesive cures, it expands slightly to fill any gaps between the substrates.

Basic Use

Touch 'n Seal Subfloor Construction Adhesive is designed to be applied to floor joists prior to attaching plywood or OSB subfloor panels. It protects against floor squeaks that result from distortion of the joists and panels, loosening of fasteners, or improper fastener installation. Touch 'n Seal Subfloor can be used as an adhesive seal between drywall (gypsum) and wood studs to increase the structural strength of walls in the modular and manufactured home industries. In new construction, it is also used as an air seal for wall cavities and headers, and to seal sill plates against foundation walls.

Features/Benefits

- Exceeds requirements of ASTM D3498 for adhesion to wet, cold and frozen lumber
- Exceeds requirements of ASTM D3498 for durability
- Exceeds adhesion requirements of ASTM C557 and D6464 for adhering drywall to wood studs
- Performance tested and certified by PFS, an independent material testing and certification lab for wood related construction products
- Faster and easier to apply than caulk adhesives and sealants
- One 24 oz. can of Touch 'n Seal Subfloor has the same or greater coverage as ten 28 oz. caulk tubes

4. TECHNICAL DATA

Applicable Methods & Standards

- ASTM D3498, Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems (Replaces APA AFG-01)
- ASTM C557, Standard Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing
- ASTM D6464, Standard Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing

- ASTM D905, Test Method for Strength Properties of Adhesive Bonds in Shear by Compression Loading
- ASTM D572, Test Method for Rubber-Deterioration by Heat and Oxygen
- HUD UM-60a, HUD Building Product Standards and Certification Program for Construction Adhesives for Wood Floor Systems

5. SAFE USE AND HANDLING

- Refer to product Safety Data Sheet (SDS) prior to handling or using Touch 'n Seal products.
- Always wear protective clothing, gloves and eyewear to protect from skin and eye exposure
- Keep away from flame, sparks, excessive heat or other sources of ignition
- Use in well-ventilated area
- Do not store in hot vehicle, direct sunlight or temperatures above 120°F (49°C)
- Keep out of reach of children.

CAUTION: Contains MDI monomer, polyurethane resin, and propane/isobutene. Cured foam exposed to temperatures greater than 240°F (116°C) may release hazardous decomposition products.

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). 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 Safety Data Sheet for more information.

Shelf Life

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

6. INSTALLATION / APPLICATION

Preparation

1. Foam bonds quickly to skin – wear gloves, eye protection and work clothes during application. Use drop cloths where necessary. Not for overhead use.
2. Surface should be free of oil, grease, and excess moisture. For best results apply in temperatures between 60°F-100°F (16°F-37°F).
3. For easy attachment, apply petroleum jelly to applicator basket before attaching can. While pointing applicator in a safe direction, depress trigger and attach applicator to can. (See directions inside applicator carton.) Do not over-tighten.
4. After attaching applicator to can, shake vigorously for 30 seconds.
5. Dispense foam with can in upside down position. Test and adjust bead size on scrap material.



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Subfloor: Apply a continuous ½ inch bead to floor joists. Within 20 minutes, install subfloor panels and follow recommended fastening schedule.



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Drywall: Apply a continuous 1/2 inch bead to face of stud or framing member. To avoid dripping, set drywall within five minutes and install nails or screws to secure.

Other Applications: Clamping or blocking may be necessary.

Can Replacement:

1. To replace empty can, point applicator in a safe direction, depress trigger and quickly remove empty can.
2. Spray basket with Touch 'n Seal Poly-Clean Foam Cleaner and immediately attach new can.

Storage:

1. Turn applicator's flow control knob to closed position and store can in an upright position (with gun still attached.)
2. To restart, shake well for 30 seconds, turn flow control knob to open position and dispense foam.
3. Maximum storage: 15 days.

7. AVAILABILITY

Contact DAP Customer Service at 800-325-6180.

8. 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.

9. MAINTENANCE

Refer to "Applicator Operation Instructions."

10. TECHNICAL SERVICE

Technical assistance, including detailed information, product literature, test results, assistance with preparing project specifications and application training is available by contacting 1-888-DAP-TIPS.

TYPICAL PROPERTIES OF Touch 'n Seal® Subfloor Construction Adhesive

Property	Typical Values	
Appearance	Light tan foam collapses to golden liquid gel	
Shelf Life	18 months	
Open Time	20 minutes	
Fully Cured	4 hours	
Yield at 1/2" bead size	480 Linear feet	
Application Temperature Range	23° -100°F	
VOC Content	156 g/l	
ASTM D3498		
Shear Strength (Dry Lumber), aged	Douglass Fir: 798 psi	
Shear Strength (Wet Lumber), aged	Douglass Fir: 362 psi; Southern Pine: 464 psi	
Shear Strength (Frozen Lumber), aged	Douglass Fir: 597 psi; Southern Pine: 531 psi	
Gap Filling Shear Strength, aged	414 psi	
Durability - Moisture Resistance, aged	569 psi	
Durability - Oxidation, aged, Shear Strength, Flexibility	pass	
ASTM C557 / D6464		
	C557	D6464
Shear Strength, 24 hours	91 psi	95 psi
Shear Strength, 14 days	104 psi	89 psi
Shear Strength, Cyclic Exposure	108 psi	104 psi
Tensile Strength, 24 hours	36 psi	45 psi
Tensile Strength, 14 days	39 psi	34 psi
Shear Strength, Freeze/Thaw	105 psi	111 psi
Shear Strength under Static Load, 20 lb., 40 lb.	Pass, Pass	Pass, Pass
Wet Out, Plywood, Drywall	Pass	
Aging	Pass	Pass
Laminating Suitability, Compatibility, Staining	Pass, Pass	
Gap Filling / Bridging	Pass, 42 inches	Pass, 42 inches

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