



TECH DATA SHEET

Thermal Protection 07 21 19
Foamed In Place Insulation

1. PRODUCT NAME

Touch 'n Seal® Storm Bond Roof Tile Adhesive

24 ounce (680 g)
Item # 4004529470

23 pound (10.4 kg) Complete.
Item # 4004517170

23 pound (10.4 kg) Replacement.
Item # 4004517180

2. MANUFACTURER

DAP Foam Inc.
307 Integram, Pacific, MO 63069
(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® Storm Bond Roof Tile Adhesive is a high-performance, one-component, polyurethane adhesive used for attaching clay and concrete roof tile to approved substrates. Storm Bond complies with the High Velocity Hurricane Zone of the Florida Building Code.

Basic Use

Storm Bond adheres flat, low, medium and high profile clay and concrete roof tile to approved underlayment. Use Storm Bond for repairs, re-roof and new installations on eave, field, hip, rake and valley installations.

Roof tiles installed with Storm Bond offer superior bonding strength compared to traditional methods of tile installation such as mortar, nails, screws, clips, wire ties and other single component adhesives. Storm Bond provides strong resistance to high velocity wind uplift when installed according to manufacturer's instructions.

Use Touch 'n Seal Poly-Clean foam cleaner to clean wet Storm Bond from tools, gloves and other surfaces.

Composition & Materials

Touch 'n Seal Storm Bond polyurethane one-component roof tile adhesive is off-white. Under normal conditions, roof tiles adhered with Storm Bond may be walked on in 2 hours with full cure occurring in 24 hours of application. Storm Bond is non-toxic and will not decompose with age.

Sizes

24 ounce (680 g)

23 pound (10.4 kg)

Features/Benefits

- Miami-Dade County Florida Product Control Approved. Notice of Acceptance No. 11-0820.06
- Florida Certificate of Product Approval # FL14506-R2
- Exceeds test requirements for Static Uplift Resistance of Mortar or Adhesive Set Tile Systems, Testing Application Standard, (TAS) No. 101-95
- Will not decompose when exposed to water
- Use with flat, low, medium and high profile clay and concrete roof tiles
- Fully cured in 24 hours @ 72°F
- Reduces labor time
- Safe; no toxic chemicals
- Fast cure

Limitations

- Installers must be manufacturer trained and certified.
- Always refer to manufacturer's instructions prior to use.
- Do not expose to direct sunlight.
- Do not allow surface to skim or become tack-free prior to setting roof tile.
- High substrate, ambient, tile and chemical temperatures will reduce open and cure times.
- Low substrate, ambient, tile and chemical temperatures will increase open and cure times.
- Do not store in temperature above 120°F/49°C.

4. TECHNICAL DATA

Applicable Standards

- ASTM E-84 Surface Burning Characteristics
- ASTM E-96 Water Vapor Transmission
- ASTM D-1621 Compressive Strength
- ASTM D-1622 Density
- ASTM D-1623 Tensile Strength
- ASTM D-2126 Thermal and Humid Aging – Dimensional Stability
- ASTM D-2842 Water Absorption
- ASTM D-2856 Open Cell Content
- TAS 101-95 Static Uplift Resistance



Approvals/Certifications

- Miami-Dade County Florida Product Control Approved. Notice of Acceptance No. 11-0820.06
- Florida Certificate of Product Approval # FL14506-R2
- Exceeds test requirements for Static Uplift Resistance of Mortar or Adhesive Set Tile Systems, Testing Application Standard, (TAS) No. 101-95

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)

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. Refer to "Storm Bond Application Instructions" for storage of partially used kits.

5. INSTALLATION / APPLICATION

Refer to "Storm Bond Application Instructions" found inside the product carton or request a faxed set by calling Customer Service at 800-325-6180.

Always refer to local building codes prior to application of Touch 'n Seal Storm Bond. Apply Touch 'n Seal Storm Bond to approved underlayment and roof tiles according to manufacturer's directions. Installation must be performed by a



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factory-qualified applicator.

Surfaces to receive Storm Bond 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 Storm Bond 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.

SAFETY INFORMATION

Keep out of reach of children.

Always wear proper personal protective equipment, including gloves, clothing, eyewear and respirator. 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 Storm Bond Roof Tile Adhesive is 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

Minor – Refer to Storm Bond Operation & Installation 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 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, www.touch-n-seal.com, for the latest information.

TYPICAL PROPERTIES OF TOUCH 'N SEAL STORM BOND ROOF TILE ADHESIVE

Florida Certificate of Product Approval # FL14506	FL14506
Miami-Dade County Florida Product Control N.O.A.	
Shelf Life	12 months
ASTM E-84 Surface Burning Characteristics Flame Spread Smoke Development	5 30
ASTM E 96 Water Vapor Transmission	2.39 perm-in.
ASTM D-1621 Compressive Strength Parallel To Rise Perpendicular To Rise	49.2 lbs/in ² (3.46 kg/cm ²) 41.68 lbs/in ² (2.93kg/cm ²)
ASTM D-1622 Density	1.8 lbs/ft ³ (30.1kg/m ³)
ASTM D-1623 Tensile Strength, Parallel To Rise	72.18 lbs/in ² (5.07kg/cm ²)
ASTM D-2126 Thermal and Humid Aging – Dimensional Stability -40°F (-40°C), 14 days 158°F (70°C), 100% Relative Humidity, 14 days	0.1% 6.0%
ASTM D-2842 Water Absorption	8.2%
ASTM D-2856 Open Cell Content	13.1%
TAS 101-95 Static Uplift Resistance	Pass