



TECHNICAL DATA SHEET

2400 Boston Street | Suite 200 | Baltimore, MD | 21224

DAP® STORM BOND® ROOF TILE ADHESIVE – LOW GWP, Grey

PRODUCT DESCRIPTION

DAP® 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. Storm Bond® adheres flat, low, medium, and high-profile clay and concrete roof tile to approved underlayment. Storm Bond® provides strong resistance to high velocity wind uplift when installed according to manufacturer's instructions. **DAP® Storm Bond® Low GWP Roof Tile Adhesive is manufactured based on low GWP (global warming potential) materials.**



PACKAGING	Case	COLOR	UPC
23 lb Cylinder	1	Grey	7565017270
24 oz Can	12	Grey	7565029570

KEY FEATURES & BENEFITS

- **Miami-Dade County Florida Product Control Approved Notice of Acceptance 21-0928.04**
- **Florida Certificate of Product Approval #FL14506**
- 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
- Fully cured in 24 hours @ 72°F
- Reduces labor time
- Fast cure



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SUGGESTED USES

BASIC USE:

- Clay and concrete roof tiles to approved substrates
- Flat, low, medium and high-profile clay and concrete tile
- Repairs, re-roof and new installations on eave, field, hip, rake and valley installations

FOR BEST RESULTS

- 23# Cylinder: ensure that chemical, ambient and substrate temperatures are 70°F- 90°F before and during use.
- 24 oz Aerosol Can: ensure that chemical, ambient and substrate temperatures are 60°F- 100°F before and during use.
- Surface must be clean, dry, and free of all foreign material
- Dispense straw foam can in the UPSIDE-DOWN position
- Apply with 40% relative humidity or greater

APPLICATION

DIRECTIONS: Important – read all directions and cautions before use. Always wear gloves, eye protection and work clothes. Use drop cloths. Product is flammable during dispensing – turn off sources of ignition prior to use. Always refer to local building codes prior to application. **CYLINDER MAY BURST IF LEFT IN HOT VEHICLE, EXPOSED TO DIRECT SUNLIGHT OR TEMPERATURES ABOVE 122°F (50°C).**

Preparation: To promote adhesion, surface must be clean, dry, and free of all foreign material. Important: Before starting the job, first practice dispensing onto scrap materials.

Application (24 oz CAN): Refer to ‘Storm Bond Roof Tile Adhesive Application Instructions’ available from your local Storm Bond distributor, by calling 888-DAP-TIPS, or visiting dap.com. Remove aerosol can cap. Attach straw to trigger adaptor. Screw adaptor onto can valve. Shake aerosol can vigorously for 30 seconds. Invert can and activate trigger to test adhesive flow rate on scrap material first. Holding can upside down, depress applicator trigger and apply Storm Bond adhesive according to the patterns and bead weights show in the Storm Bond Roof Tile Adhesive Application Instructions. All tiles must be set in adhesive within 4 minutes of adhesive application.

Application (23# CYLINDER): Refer to ‘Storm Bond Roof Tile Adhesive Application Instructions’ available from your local Storm Bond distributor, by calling 888-DAP-TIPS, or visiting dap.com. Remove cylinder from carton and shake for 30 seconds; stand upright. With applicator in closed position, attach hose to applicator



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and cylinder valve. Tighten fittings with open-end wrench; do not over-tighten. Use applicator to regulate flow rate. Dispense on scrap material first.

Clean-up: If wet foam contacts skin, clean immediately with a dry rag – do not use water – water accelerates curing. Cured foam must be removed mechanically from surfaces. Uncured foam can be cleaned from most surfaces with Foam Cleaner or acetone. If foam dries on skin, apply generous amounts of petroleum jelly, put on plastic gloves and wait 1 hour. With a clean cloth, firmly wipe off residue and repeat process if necessary. DO NOT use acetone or other solvents to remove product from skin.

Storage/Re-Use: Stop & restart up to 3 weeks later. To store unused portion, keep container tightly closed in a cool, well-ventilated area. Store upright below 90° F (33°C). Do not expose containers to conditions that may damage, puncture, or burst the containers. Product can be reused within three weeks if stored properly. Dispose of leftover material / containers in accordance with Federal, state, and local regulations. See SDS for more information.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Florida Certificate of Product Approval	FL14506
Miami-Dade County Florida Product Control NOA	23-0327.12
Shelf Life	15 Months
ASTM E84 Surface Burning Characteristics (Flame/Smoke)	5/20
ASTM E96 Water Vapor Transmission	2.1 perm-in
ASTM D-1621 Compressive Strength (Parallel / Perpendicular)	20 lbs/in ² (1.41 kg/cm ²) 15 lbs/in ² (1.05 kg/cm ²)
ASTMD D-1622 Density	2.2 lbs/ft ³ (35.24 kg/m ³)
ASTM D-1623 Tensile Strength Parallel to Rise	43 lbs/in ² (3.02 kg/cm ²)
ASTM D-2126 Thermal and Humid Aging – Dimensional Stability	.06%
-40°F (-40°C), 14 Days	2.7%
158°F (70°C), 100% RH, 14 Days	
ASTM D-2842 Water Absorption	1.5%
ASTM D-6226 Closed Cell Content	93%
TAS 101-95 Static Uplift Resistance	Pass
UL Listing	File R. 14175 vol.1 Sec.15

SAFETY

See product label or Safety Data Sheet (SDS) for health and safety information. You can request an SDS by visiting our website at dap.com or calling 888-DAP-TIPS.



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WARRANTY

LIMITED WARRANTY: If the product fails to perform when used as directed within one year from the date of purchase, call 888-DAP-TIPS with your sales receipt and product container available for replacement product or sales price refund. DAP Global Inc. will not be responsible for incidental or consequential damages.

COMPANY IDENTIFICATION

Manufacturer: DAP Global Inc., 2400 Boston Street, Suite 200, Baltimore, Maryland 21224

Usage Information: Call 888-DAP-TIPS or visit dap.com & click on "Ask the Expert"

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com