



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224

Phone: 410-675-2100 or 800-543-3840

Revised: 12/8/06

DAP[®] BEATS THE NAIL[®] All-Purpose Construction Adhesive

- For general construction, remodeling, maintenance & repair projects
- High strength, permanent bond
- Heat & water resistant
- Quick-grab formula
- Meets ASTM Specification C 557

Packaging: 10.3 fl. oz. (305 mL), 28 fl. oz. (828 mL)

Color: Gray

UPC Number: 70798 25082, 25084, 25484, 25498

Company Identification:

Manufacturer: DAP Inc., 2400 Boston St., Baltimore, Maryland 21224

Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.

Order Information: 800-327-3339

Fax Number: 410-534-2650

Also, visit the DAP website at www.dap.com.

Product Description:

DAP[®] BEATS THE NAIL[®] All-Purpose Construction Adhesive is a high strength, weatherproof adhesive ideal for bonding a wide variety of building materials. The quick-grab formula provides a heat and water resistant bond with fewer nails or fasteners required. It reduces squeaks, nail pops and splitting. Meets ASTM Specification C 557. Interior/exterior use.

Suggested Uses:

Bonds:

- Wood to wood assemblies
- Metal joints to lumber
- Lumber and treated lumber
- Thresholds
- Metal, brick, plaster, masonry, concrete, drywall, ceramic tile, plywood, waferboard, particleboard
- Prefinished panels
- Bathroom fixtures
- Fiberglass shower enclosures

For Best Results:

- Apply in temperatures above 40° F.
- Keep adhesive at or above 40° F prior to use for easier gunning.
- When installing polystyrene foam, use **DAP[®] PANELING & FOAM ADHESIVE**.
- For subfloor applications, use **DAP[®] SUBFLOOR & DECK ADHESIVE**.
- Not for continuous water submersion.

Surface Preparation & Application:

1. Surfaces must be clean, structurally sound and free of foreign material.
2. Pre-cut and fit materials before applying adhesive.
3. Trim nozzle to desired bead size. 1/4" recommended for most applications.
4. Puncture inner foil seal.
5. Load cartridge into caulking gun.
6. Apply a continuous bead to surface (see specific Application Tips below).
7. Within 10 minutes, position and press substrates firmly into place.
8. Certain applications may require mechanical fasteners.
9. Allow to dry for 24 hours.

Application Tips:

Paneling:

Installing Paneling to Studs or Furring Strips: Condition panels within room where they will be installed for 24 to 48 hours as required by manufacturer. Apply a continuous 1/4" zigzag bead along stud or furring strip. Position each panel so edges meet at the center of the stud or furring strip and abut against the preceding panel. Avoid a tight fit by allowing 1/8" space at top and bottom and a "dime" thickness between panels for expansion. Firmly and evenly press panel into position. Secure each panel with a small finishing nail in each corner. Using a hammer and a block of wood wrapped with a cloth, tap firmly over the bonded panel surface to ensure good adhesion. Repeat once within an hour of installation.

Foamboard Insulation:

To Wood or Metal Studs: Apply a continuous 1/4" zigzag bead to length of studs or furring strips. Firmly and evenly press panel onto studs or furring strips. Use nails or screws to secure top and bottom.

To Concrete or Masonry Walls: When applying to new concrete or masonry walls, allow walls to thoroughly cure for a minimum of 28 days. Three inches in from each edge of foam panel, apply a continuous 1/4" bead of adhesive. Also apply 1/4" continuous bead of adhesive down the middle of the foam panel. Firmly and evenly press foam insulation panel onto concrete or masonry wall.

Press foamboard into adhesive and pull back to allow the solvent to flash for 1-2 minutes. Repress foam board onto wall. Air and substrate temperatures should not exceed 90°F.

Drywall:

Walls Over Studs: Apply a continuous 3/8" bead of adhesive starting 4" to 6" down from top of stud or furring strip, stopping 4" to 6" from bottom. Position wallboard and press firmly in place within 30 minutes. Use fasteners in accordance with local building standards. Use fasteners around perimeter 16" on center, 3/8" in from edge. Where gypsum panels meet over a supporting member, apply 2 parallel 1/4" beads of adhesive near edge of each member

Ceilings: Follow directions above for wall installation and use fasteners 24" on center in the field of the board per framing member.

Laminating Gypsum Board: When laminating gypsum wallboard and vinyl faced gypsum wallboard to gypsum wallboard, apply parallel beads of adhesive 12" to 16" on center. Follow wall instructions for nailing schedule. When laminating gypsum wallboard and vinyl faced gypsum wallboard to concrete or block walls, apply parallel 3/8" beads of adhesive to gypsum wallboard 12" on center. Position and use permanent mechanical fasteners 16" on the center perimeter and at least one within field of board.

Physical & Chemical Characteristics:

Vehicle:	Synthetic Rubber
Volatile:	Petroleum Solvents
Flash Point:	< 0°F
Solids:	77% by weight
Weight/Gallon:	11.4 lbs
Odor:	Strong Solvent
Color:	Gray
Consistency:	Smooth Paste
Application Temperature Range:	40°F to 120°F
Service Temperature Range:	-20°F to 140°F
Bonded Strength:	500+ psi
Open Time:	10 Minutes
Freeze/Thaw Stability:	5 cycles
Coverage:	28 fl. oz. cartridge: 1/4" bead covers 86 linear feet. 3/8" bead covers 38 linear feet. 10.3 fl. oz. cartridge: 1/4" bead covers 32 linear feet. 3/8" bead covers 14 linear feet.
Shelf Life:	1 Year
MSDS No.:	00077084

Clean Up & Storage:

Use mineral spirits to clean up excess wet adhesive from surface and tools, following solvent manufacturer's precautions. Cured adhesive must be cut or scraped away. Product has a 12 month shelf life when tightly closed and stored in a cool, dry place. Follow original directions for reuse.

Safety:

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

Satisfaction Guaranteed:

If not satisfied with product performance when used as directed, return used container and sales receipt to DAP Inc., Technical Customer Service, 2400 Boston St., Suite 200, Baltimore, MD 21224 for product replacement or sales price refund. DAP will not be liable for incidental or consequential damages.