



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
Phone: 410-675-2100 or 800-543-3840

Revised: 1/30/03

## DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive

- Easy to spread
- Easy to clean up
- Water resistant when dry
- Nonflammable, VOC compliant

**Packaging:** Quart/Gallon  
**UPC Number:** 70798 25190, 70798 25192, 70798 72316, 70798 72328

### Company Identification:

**Manufacturer:** DAP Inc., 2400 Boston Street, Suite 200, 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](http://www.dap.com).

### Product Description:

**DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive** may be used for the interior installation of ceramic tile on walls, floors, and countertops. It bonds to masonry, fully cured plaster, gypsum panels, exterior-grade plywood and cementitious backerboards. **DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive** meets ANSI A-136.1 Type I requirements. NOTE: Do not use **DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive** for the installation of button-back tile or for tiles over 8"x8". **DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive** is not recommended for use over non-porous substrates.

### Suggested Uses:

Multi-Purpose adhesive for installing most types of ceramic tile on walls, floors, and countertops.

### Performance Characteristics:

Meets ANSI A136.1 Type I Requirements

### Installation Tips:

Maintain adhesive, tile, and room at a stable temperature of at least 70°F (21°C) for 24 hours before and after installation and provide adequate ventilation for at least 72 hours or until adhesive odors cannot be detected.

### Surface Preparation & Application:

**Surface:** Surface must be porous. Surface must be structurally sound, clean and free of dust, dirt, paint, soap film, oil, adhesive, grease, chemical concrete-curing compounds, and other foreign material that could inhibit bond.

**Walls:** Patch large holes, replace loose plaster and smooth or level surfaces with a fast-setting underlayment and allow to completely cure and dry out. With flat side of trowel, prime with a skim coat of **DAP® WELDWOOD® Multi-Purpose Ceramic Tile Adhesive**. Allow to dry 2 to 4 hours or until notched trowel application does not break skim coat seal. Above tub and shower receptors, cut away wall materials 1/4" above edges and fill void with adhesive. Seal all cut edges of wall material and pack all openings with generous amount of adhesive. Allow to dry 2 to 4 hours.

**Floors:** Exterior grade plywood must be securely fastened and free of flexibility. Concrete floors must be level to a tolerance of 1/8" in 10', fully cured (at least 28 days), free of moisture, alkalinity, hydrostatic pressure and not subject to dampness or seepage.

NOTE: It is the responsibility of the user to determine the dryness of all subfloors prior to installation, a moisture test may be necessary. Follow cementitious underlayment manufacturer's instructions for installation.

**Application:** Plan tile layout, then spread adhesive with trowel held at a 45-degree angle to the surface. Apply no more adhesive than can be covered in 25 to 35 minutes. Due to superior wet adhesive qualities, wall tiles can be set from the top of the substrate to the bottom. Press, do not slide, tiles or sheets of tile into wet adhesive. Maintain accurate joint alignment and spacing of tiles as they are positioned into adhesive.

To level and ensure solid tile positioning, use a wood or rubber-faced beating block tapped lightly with a rubber mallet. Check occasionally to ensure average adhesive/title contact is not less than 80% except on shower walls and tub installations where contact area must be 95%. To ensure 100% coverage, apply a thin layer of adhesive on the back of each tile before firmly pressing it into wet adhesive. This method, "back-buttering" is recommended for pavers, quarry tile, 6"x 6", and 8" x 8" tiles. Avoid adhesive squeeze-up between tiles.

**Note to Contractor:** All installation shall use procedures set forth in ANSI A-108.4 and the current TCA Handbook for Ceramic Tile Installation. Those procedures supersede this label where applicable.

**Open Time:** Approximately 25 to 35 minutes after application to substrate. Open time may vary depending on trowel size and climatic conditions.

**Cure Time:** Walls and countertops may be grouted with an appropriate grout after adhesive has set for 24 hours. For floors, allow adhesive to set for 24 to 72 hours depending on temperature, humidity and porosity of substrate and tile. Use an appropriate grout to complete floor tile installation. Do not allow traffic over tiles prior to grouting.

**RECOMMENDED TROWEL SIZES:**

- Glazed Wall Tile: 3/16" x 5/32" V-notched
- Ceramics, Mosaics and Gauged Slate 1/8" x 1/8" V-notched
- Heavy Tile and Slate Pavers: 1/4" x 1/4" x 3/8" Square-notched
- Quarry Tile: 1/4" x 1/4" x 1/4" Square-notched

THIS PRODUCT IS NOT RECOMMENDED FOR MEXICAN TILES AND GREEN MARBLE.

**Physical & Chemical Characteristics:**

Base:	Synthetic Acrylic Latex
Volatiles:	Organic Solvents and Water
Solids:	71%
Weight per Gallon:	13.3 pounds
Application Temperature Limits:	70 – 90°F
Service Temperature Limits:	40 – 100°F
Flammability:	Nonflammable

Consistency: Medium paste  
Application: Notched trowel  
Open Time: 25 to 35 minutes (depending upon temperature and humidity)  
Cleanup: Soapy water while wet; mineral spirits when dry  
Shelf Life: 1 year when stored in original tightly sealed container

**Packaging:**

<u>UPC</u>	<u>Size</u>	<u>Color</u>	<u>Container</u>
25190	Quart	Off White	Tub
25192	Gallon	Off White	Tub

MSDS No: 77050 U.S.  
17042 Canada

**Coverage:**

<u>Trowel Size</u>	<u>One Quart</u>	<u>One Gallon</u>
3/16" x 5/32" V-notched	9-12 sq. ft.	35-50 sq. ft.
1/4" Square-notched	8-10 sq. ft.	30-40 sq. ft.
1/8" V-notched	16-19 sq. ft.	65-75 sq. ft.
1/4" x 1/4" x 3/8" Square-notched	10-12 sq. ft.	40-50 sq. ft.

NOTE: These figures are approximate and may vary with job site conditions, type of trowel used, and setting practices.

**Clean Up:**

Wash tools immediately with water. If adhesive dries, use mineral spirits. Close container tightly and store at moderate temperature.

**Safety:**

See product label or Material Safety Data Sheet for safety information. You can request an MSDS sheet by calling 888-DAP-TIPS or by visiting our website at [www.dap.com](http://www.dap.com).

**Limited Warranty:**

DAP Inc. warrants that this product, when applied in accordance with our label, technical bulletins and applicable industry standards, will be free from defects in material and workmanship for 12 months from the date of purchase. If a product defect is encountered, call DAP Inc., Technical Customer Service at 1-888-DAP-TIPS for further information. Have your sales receipt available. DAP's **sole liability** is either to supply new product or refund the purchase price. This limited warranty excludes all other express or implied warranties, including the warranties of **Merchantability or Fitness For a Particular Use or Purpose**. DAP will in no event be liable for any incidental or consequential damages. Some states do not allow limitations on how long implied warranties last or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.