



Technical Bulletin

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

Revised: 7/26/01

DAP® Concrete Bonding Additive

- Bonds new concrete to old concrete
- Primer and Admix in one
- Super-durable
- Multi-use

Packaging: quart, gallon
Color: Translucent
UPC Number: 02131, 02132

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® Concrete Bonding Additive is an advance vinyl compound that can be used to create a high moisture resistant, high density concrete. DAP® Concrete Bonding Additive is perfect for new to old concrete patching, resurfacing and leveling. It is excellent for capping walls, patching steps and tuck pointing.

Suggested Uses:

Ideal for applying as a coating or mixing into mortar for:

- Repairing cracks in steps, walks, driveways and patios.
- Tuck pointing old mortar joints of brick and concrete.
- Resurfacing and leveling of old concrete slabs and walls.

Performance Characteristics:

- “Locks in” moisture to allow super-strength curing of concrete.
- Stops moisture suction into old concrete to insure perfect patching.
- Enables resurfacing with a thin layer of concrete without cracking.
- May be applied as a coating or mixed into mortar for repairs

Surface Preparation & Application:

Estimated Coverage:

Quart: Will prime and patch area plus reinforce two 60 lb. sacks of dry-mix concrete.
Gallon: Allow 1 gallon adhesive per sack of pure dry cement or 1 to 1-1/2 gallon adhesive per 500 lb. of cement mix.

Admix Solution:

Prepare by making a solution of 1 measure of additive added to 4 measures of clean water.

Mortar Mix:

Use packaged dry “Topping Mix” or 1 measure of Portland Cement mixed with 4 measures of sharp, clean sand. Add enough Admix Solution to the dry mix to form a stiff mortar. Thin wet mixes cause shrinkage and cracking.

Patching Concrete Steps, Curbs or Joining New Concrete:

Remove all dirt, paint, wax, and loose material from surface to be patched. Prime coat the surface to be patched with undiluted Concrete Bonding Additive. When the prime coat is tacky, apply fresh mortar which has been made using the Admix Solution. Do not allow the prime coat to dry out. If the prime coat does dry out, apply a second coating of the Concrete Bonding Additive and repair immediately.

Tuck Pointing:

For an extra strong mortar for brick, applying wall caps, tuck pointing and filling cracks, use a Mortar Mix as described above.

Resurfacing Walls and Floors:

- Remove all wax, dirt and loose paint from concrete area to be resurfaced. Scrub the concrete surface with a 10% solution of muriatic acid and wash away with clean water. Let dry.
- Test for bond: Traces of silicates, silicones, etc., used for sealing and waterproofing, may prevent a bond of new material. Make a test patch before proceeding.
- Prime with a mixture of 4 parts Bonding Additive mixed with 1 part clean water. Use an extra prime coat on all areas where new concrete will be feather edged.
- Wet the cement/sand mix with a solution of 1 part Bonding Additive mixed with 4 parts clean water.

Note: Concrete Bonding Additive is not considered compatible with: Glue sizings, wallpaper paste, paraffin oils, waxes or vinyl chloride.

Physical & Chemical Characteristics:

Base:	Vinyl Acetate Emulsion
Volatile:	Water
Flash Point:	Nonflammable
Solids:	48 ± 2.0%
Weight/Gallon:	9.0 lbs.± 0.1
Specific Gravity:	1.08 ± .01
Odor:	Pleasant
Color:	White
Consistency:	Smooth
Temperature Application Range:	Above 50°F
Bond Strength:	High
Dry Time:	45 min., depending on temp. & humidity
Freeze/Thaw Stability:	Passes 5 Cycles
Coverage:	Approx. 350 sq. ft./gallon
Shelf Life:	1 Year Minimum
Viscosity:	1500 – 1900 cps
Storage:	At room temperature between 40-80°F
MSDS No.:	40005

Clean Up:

Before setting, remove excess additive with a damp cloth. Dried additive must be cut or scraped away.

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.

Warranty Information:

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., Baltimore, MD, 21224, for product replacement or, sales price refund. DAP will not be liable for incidental or consequential damage.

