



TECHNICAL DATA SHEET

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

DAP® Bonding Liquid and Floor Leveler Additive

PRODUCT DESCRIPTION

DAP® Bonding Liquid and Floor Leveler Additive is a versatile product that can be used as a “glue” to bond new concrete to old and as an additive to increase adhesion, improved strength and flexibility in plaster, mortar, concrete, floor leveler, stucco and waterproof cement paint. For use indoors and outdoors.



PACKAGING	COLOR	UPC
946ml	White	7079874040

KEY FEATURES & BENEFITS

- For use as a concrete “glue” to bond new concrete to old
- Improves bond strength
- Increases durability under freeze/thaw cycling
- Reduces cracking through increased mortar flexural strength
- Increases mortar wear resistance under rubber wheeled traffic
- Increases mortar tensile strength
- Repair mortar offers greater impact resistance
- Does not re-emulsify when exposed to water

SUGGESTED USES

- Ideal for use in applications involving Cement, Plaster, Waterproof Cement Paint and Floor Leveler.
- Admixture for overlays, repair mortars and leveling materials
- Thin sets, terrazzo, stucco and bond coats
- Repairs utilizing spray or fill coats
- General reconstruction work
- Repairs to precast structural members
- Architectural panels, bridge decks and highway repairs



TECHNICAL DATA SHEET

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

APPLICATION

Surface Preparation: If using this product as a cement bond coat, the base concrete must be a minimum of 3 days old. The concrete must be clean of all oil, dirt, debris, paint, curing/sealing compounds and unsound concrete must be removed. The surface must be prepared mechanically using a scabber, bushhammer, shotblaster or scarifier, so that the minimum surface profile is 1/8" (3 mm) and exposes the large aggregate of the concrete. NOTE: Acid etching is not acceptable. Finally, clean the concrete of all residue with a vacuum cleaner or pressure washer. Allow the concrete surface to begin drying, and do not place the cement bond coat on standing water. Bond coat should be on a concrete substrate that is saturated surface dry (SSD) to reduce moisture loss.

Bonding: For bonding traffic bearing toppings with this product, it's strongly recommended using a bond coat rather than using this product as a primer by itself. After the surface has been prepared, prime all areas with a bond coat (see above mix design) before the topping is applied. Follow mixing and placing instructions listed below. Place the topping on the bond coat before it dries out.

Mixing: Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of 40°F (5°C) to 90°F (32°C). Add the appropriate amount of DAP® Bonding Liquid and Floor Leveler Additive for the batch size and then add the dry material. Mix a minimum of 3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

Bond Coat Application: Spread the bond coat with a stiff bristle broom until the suggested coverage rate is achieved. **Topping Application:** For patching, spread with a trowel, come-a-long, or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand troweling. On large floor areas, use screed guides in combination with a vibratory screeding to level. Compact and finish by hand or machine trowel.

Finishing: Finish the repair mortar to the desired texture. Typical texture is a broom or sponge float finish, though mortars made with DAP® Bonding Liquid and Floor Leveler Additive can be steel troweled. Do not add additional water to the surface during the finishing operation.

Curing: All cement products must be adequately cured. Proper curing procedures are important to ensure the durability and quality of the repair or overlayment. To prevent surface cracking, a moist cure should be maintained for 24 hours followed by use of a curing compound. NOTE: Do not use a solvent-based curing compound on latex modified mortars.

For Best Results: Do not use DAP® Bonding Liquid and Floor Leveler Additive by itself as a bonding agent. It must be mixed with cement or DAP Bondex Concrete Floor Leveler Dry Mix. No heavy traffic until the repair has cured. Protect from freezing. For bonding floor toppings, a slurry bond coat is recommended. Use of this product in conjunction with air entrained cement/concrete or with other admixtures may significantly increase total entrained air content. Testing is strongly advised. Do not use a solvent-based curing compound on latex modified mortars. In all cases, consult the Safety Data Sheet before use.



TECHNICAL DATA SHEET

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

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Base:	Acrylic Latex
Volatile:	<10 g/L
Flash Point:	Nonflammable
Solids (by weight):	24%
Weight/Gallon:	8.59 lbs/gal
Specific Gravity:	1.01
Odor:	Mild
Color:	White
Consistency:	Liquid
Temperature Application Range:	40°F (5°C) to 90°F (32°C).
Bond Strength:	14 days: 1,300 psi (8.9 MPa)
Dry Time:	See Curing
Freeze/Thaw Stability:	Protect from freezing
Shelf Life:	24 months in original, unopened container
Coverage	As a Cement Bond Coat: 600-800 ft ² /gal per 94 lb Cement and 7-8 gal Additive As a Repair Mortar: 110-120 ft ² /gal @ ½" per 94 lb Cement, 300 lb sand, 5-6 gal of Additive

CLEAN UP & STORAGE

Clean up excess additive with a damp sponge before it dries. Excess dried additive must be cut or scraped away. Clean hands and tools with warm water and soap. Store container in a cool, dry place away from extreme heat or cold.

SAFETY

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



TECHNICAL DATA SHEET

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

WARRANTY

LIMITED WARRANTY: DAP Canada, DAP Products Inc. and their respective affiliates will not accept liability for more than replacement product or sales price refund under any circumstances.

COMPANY IDENTIFICATION

Manufactured for: DAP Canada, 475 Finchdene Square, Unit 5, Scarborough, ON, M1X 1B7

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

Order Information: 800-668-9397 or 416-321-1522

Fax Number: 416-321-3325

Also visit the DAP website at dap.ca