



BORDER
CONSTRUCTION SPECIALTIES

PRODUCT DATA SHEET

ACRYL-BOND

AN ACRYLIC POLYMER, BOND-ENHANCING, ADMIXTURE

DESCRIPTION: ACRYL-BOND is a high solids, acrylic polymer latex bonding agent and admixture. This milky white liquid is non-yellowing in Portland cement mortars and concrete. When used as an admixture, ACRYL-BOND provides increased abrasion and crack resistance, flexural strength, and freeze/thaw tolerance. Permeability is reduced, allowing more protection from chloride intrusion.

As a bonding agent, ACRYL-BOND enhances the bond between existing concrete and placement of the fresh repair. It will not re-emulsify.

USES: Since ACRYL-BOND will not re-emulsify, concrete repairs/mortars fortified with ACRYL-BOND are ideal for interior, exterior and moisture-related applications. Typical areas that would benefit from properties of this product include toppings, mortars, grouts, vertical, horizontal and overhead patching. For enhanced bonding, use ACRYL-BOND as an additive in bond coats. Only use ACRYL-BOND neat for bonding repairs or very small bonding applications.

SPECIFICATIONS: Meets ASTM C 1059-91, Type II, (Non-Re-emulsifiable)

PACKAGING: 1 gallon (3.79 Liters) Unit, (4) per Carton 5 gallon (18.93 Liters) Pails 55 gallon (208.20 Liters) Drums

SHELF LIFE: 1 year in unopened container, stored at 50°F - 85°F (10°C - 29.4°C).

FEATURES AND BENEFITS

- Significantly improves adhesion / Longer lasting repairs.
- Increases flexural strength / Better durability.
- Non-Re-emulsifiable / Superior performance in a wet environment.
- Lowers permeability / Denser, more chemically resistant repairs.
- Greater resistance to freeze-thaw / Better repair cycling performance.
- Multi-purpose applications / Easy to use.
- Increases abrasion resistance / Strong, permanent repairs.
- Non-yellowing / Aesthetically appealing exterior repairs.

FOR INDUSTRIAL USE ONLY

APPLICATION: *Surface Preparation*...Mechanically abrade existing substrate to remove all unsound concrete, but do not use excessive force which may cause micro-fracturing. Substrate must be structurally sound and free of grease, oil, dirt or any other contaminants that can adversely affect the bond. Prepared surface must be dust-free and have sufficient profile to ensure adequate mechanical lock. Substrate must be saturated, surface dry (SSD) and free of standing water.

Mixing and Application Notes...Mix designs vary with specific job requirements. Proportioning of sand, cement and ACRYL BOND (Diluted or neat) ratios achieve different physical properties. The application instructions highlight typical conditions. **(When in doubt, always apply a test patch).**

AS AN ADMIXTURE...Typically, blend one part cement to three parts sand then add enough ACRYL-BOND until a desired consistency is achieved. To avoid trapping air, do not over-mix. Place modified mortar/repair material and finish appropriately, careful not to overwork the material. Once the finishing process is completed, immediately cure work zone with undiluted ACRYL-BOND or one of several water-base curing compounds from BORDER CONSTRUCTION SPECIALTIES. Do not use solvent-base curing compounds.

AS A BOND COAT...Mix one-part cement to two parts sand, then add enough undiluted ACRYL-BOND to make a slurry consistency. Work slurry into the repair area or concrete substrate with a stiff masonry brush, coating the entire area, paying special attention to the corners, sides and any exposed rebar. Place concrete or mortar material prior to ACRYL-BOND bond coat becoming tack-free.

AS A BONDING AGENT (NEAT)...Apply ACRYL-BOND undiluted by brush, roller or garden type sprayer on to prepared surface. Place concrete or mortar before applied ACRYL-BOND surface dries. Use ACRYL BOND neat as a bonding agent only on very small applications. ACRYL-BOND, used neat, does not conform to the structural bonding requirements of ASTM C 1059-91, Type II.

PRECAUTIONS

- Designed for professional contractors, industrial use only.
- Do not allow to freeze, properly dispose of any material that has been frozen.
- Do not apply ACRYL-BOND when temperature is expected to be below 40°F (4°C) within 48 hour
- Avoid over-mixing and over-working the surface.
- ACRYL-BOND may increase air content.
- ACRYL-BOND will alter mechanical properties.

SAFETY AND TOXICITY: Avoid direct contact with this product. Use of safety glasses, rubber gloves and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children. Refer to Material Safety Data Sheet for complete health and safety information.

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