

FOR INTERIOR & EXTERIOR APPLICATIONS INTEGRAL BONDING AGENT EMULSION EXCELLENT SURFACE BONDER

BONDALL

**VOC COMPLIANT
HIGH SOLIDS
RE-EMULSIFIES ONE TIME ONLY**

PRODUCT DESCRIPTION

BONDALL is a ready to use, film forming, one-time re-emulsifiable liquid bonding agent and polymer modifier for concrete. It may be used inside or outside as a bonding agent admixture for concrete repair, leveling, grouts, thin sets and mortar beds or rubbing applications. **BONDALL** is an excellent surface bonder and may be used above or below grade.

PRODUCT APPLICATIONS

Use **BONDALL** for concrete patching, topping, underlayments and leveling, overhead repairs, as a bond and strength improving admixture for surface repairs and rubbing mix. Use **BONDALL** for plaster, stucco, tuckpointing, setting tile, tile grout, grout beds and bonding new concrete to old concrete.

PRODUCT FEATURES

- Use as integral polymer modifier for cement mortars
- Use as a surface bonder
- Not moisture sensitive after use
- Re-emulsifiable ONE TIME ONLY
- Not a PVA
- Inside or outside applications
- High solids copolymer emulsion
- VOC Compliant
- Not affected by many freeze-thaw cycles
- Excellent ultra violet light resistance
- Resistant to most petroleum solvents

TECHNICAL DATA

Typical test results of **BONDALL** are listed below. Mix design used for these test results is 1-2.5 cement (Type 1) and sand mix and a 1:1 **BONDALL** and water ratio (sand used meets ASTM C-33).

TEST	METHOD	RESULTS
Compressive	ASTM C-109 (Air-Cured)	7 Day-4410 PSI
		28 Day-4880 PSI
Flexural	ASTM C-78 (Air-Cured)	7 Day-1361 PSI
		28 Day-1591 PSI
Bond	ASTM C-1042** (Air-Cured)	7 Day-710 PSI
		28 Day-890 PSI

Commercial Testing Laboratory report available upon request.

A slurry of **BONDALL and cement was used as a slurry.

COLOR: White in Liquid Form - Clear when dry.

PACKAGING

BONDALL is packaged in one gallon jugs (4 per carton), 5 gallon pails and 55 gallon drums.

SURFACE PREPARATION

All surfaces to be clean and structurally sound, free of curing compounds, sealers, form release agents, oil, grease, paint, etc. Pores of the surface must be open to permit penetration and proper bonding. Necessary surface preparation may be done by abrasion, scarifying or acid etching. If acid etch is used, surface must be neutralized and brushed thoroughly. Rinse and clean thoroughly with clean water.

APPLICATION - SURFACE BONDER

Shake **BONDALL** thoroughly before using. Apply **BONDALL** directly to the surface in thin uniform coating by brush, roller or spray. Dampen brush or roller and shake out water. Very porous or slick surfaces may require two coats. For two coat

applications, apply second coat at a right angle to the first coat, allowing the first coat to dry between applications. One (1) gallon of **BONDALL** will cover approximately 200 sq. ft. **Do Not** apply material until **BONDALL** has completely dried (clear in color). Material should be applied within 24 hours. **Do Not** mix **BONDALL** with water for this type of application.

APPLICATION - INTEGRAL BONDING AGENT

Once **BONDALL** has been used as an integral mix, it will not re-emulsify at all. For specific mix designs, please see chart below. Always do a test section before proceeding.

LIMITATIONS

Do not use below 45°F.
Do not let freeze.

SAND/CEMENT PROPORTIONS WITH BONDALL/WATER RATIO () INDICATES MEASURE BY VOLUME

Mix No.	Application	Sand	Cement*	Bondall	Water	Coverage
1	Underlayment, topping and Patching	45 lb. (3-1/2 gal)	15 lb. (1-1/2 gal)	1/2 gal. (1/2 gal)	1/2 gal. (1/2 gal)	60 Sq. Ft. @ 1/8"
2	Slurry Bond Coat	15 lb. (1-1/4 gal)	15 lb. (1-1/2 gal)	1 gal (1 gal)	-- --	65 Sq. Ft. @ 1/16"
3	Plaster, Stucco and Tuckpointing	27 lb. (2 gal)	13 lb. (1-1/3 gal)	1/3 gal. (1/3 gal)	2/3 gal (2/3 gal)	20 Sq. Ft. @ 1/4"
4	Setting & Grouting Tile & Stone, Setting Bed	45 lb. (3-1/2 gal)	15 lb. (1-1/2 gal)	1 gal (1 gal)	-- --	30 Sq. Ft. @ 1/4"
5	Rubbing Mix	40 lb. (3-1/8 gal)	20 lb. (2 gal)	1/2 gal (1/2 gal)	1/2 gal (1/2 gal)	120 Sq. Ft. @ 1/16"

*Assumes non-air entrained cement.

LIMITED WARRANTY

Lyons Manufacturing, Inc. warrants the high quality of its products. However, because of many factors beyond our control in its use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price or replacement of this material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within one (1) year from the date of shipment from the factory. This warranty is in lieu of all other warranties, expressed or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purposes. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental or consequential damages or losses of any kind.

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