

# Concrete Bonding Adhesive

**BONSAL® Concrete Bonding Adhesive** is a re-emulsifiable liquid polymer emulsion used as an interior bonding agent.

## FEATURES AND BENEFITS:

- Ready to Use
- Resistant to Most Alkalis
- Bonds New Concrete to New Concrete
- Bonds New Concrete to Old Concrete
- Mold Resistant
- Rewettable for Continuous Placement

## USES:

### Interior Bonding Agent For:

- Acoustical Plaster
- Scratch or Brown Coat
- Cementitious Finish Coat
- Cementitious Base Coat
- Plaster
- Concrete
- Masonry
- Stucco

### Bonds to Interior UNCOATED:

- Concrete Block
- Columns
- Precast Concrete Walls
- Concrete Slabs
- Beams
- Drywall

## PREPARATION:

Evaluation of the substrate by a qualified engineer, architect or contractor using means that determine the cause of deterioration is strongly recommended. Particular attention is to be given but not limited to chloride penetration, corrosion of steel galvanic activity, materials selection and compatibility, waterproofing, constructibility, quality assurance and methods of application and maintenance by the owner. Clean area and remove all unsound concrete, grease, oil, paint, and any other foreign materials that will inhibit performance. Dampen porous substrates to improve penetration, coverage, and bond strength.

Refer to:

- ASTM D 4258 Surface Cleaning Concrete for Coating
- ASTM D 4259 Abrading Concrete
- ASTM D 4261 Surface Cleaning Concrete Unit Masonry for Coating
- ICRI Guideline 03730 Surface Preparation Guidelines for Repair of Deteriorated Concrete Resulting from Reinforcing Steel Oxidation
- ICRI Guideline 03733 Guide for Selection and Specifying materials for Repair of Concrete Surface
- ICRI Guideline No. 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays

## PREPARATION (Cont.):

- ASTM D 4580 Measuring Delamination in Concrete Bridge Decks by Sounding
- ACI 201.1R Guide for Making a Condition Survey of Concrete in Service
- ACI 201.3R Guide for Making a Condition Survey of Concrete Pavements

## MIXING:

Stir thoroughly.

## PLACEMENT:

Placement Temperature

	Minimum	Maximum
Substrate	45°F (7.2°C)	90°F (32.2°C)
Mix	45°F (7.2°C)	90°F (32.2°C)
Air	45°F (7.2°C)	90°F (32.2°C)

Remove excess surface water and puddles prior to application of Concrete Bonding Adhesive.

Apply the interior plaster, concrete, cement paint or stucco to the prepared surface while tacky. Materials can be applied over the Concrete Bonding Adhesive within 7 days, as long as, the Concrete Bonding Adhesive will become tacky when dampened with water.

## CURING:

Air cure the Concrete Bonding Adhesive for at least 20 minutes before applying materials.

## TECHNICAL DATA:

Test procedures in accordance with:

### Dry Tensile Bond Strength for Interior Plastering

ASTM C 631

24 hours	35 psi (0.24 Mpa)
3 days	210 psi (1.4 Mpa)

## LIMITATIONS:

- **DO NOT** apply on exterior substrates.
- **DO NOT** use where it will be exposed to water.
- **DO NOT** dilute or extend coverage beyond 300 sq. ft. per gallon.
- **DO NOT** apply when air or substrate temperature is below 45°F (7.2°C) or above 90°F (32.2°C).
- **DO NOT** use below grade.
- **DO NOT** apply over wood.

**LIMITATIONS (Cont.):**

- DO NOT** allow to freeze.
- DO NOT** reuse empty container. Recycle or dispose of properly.
- DO NOT** use on substrates that contain levels of dampness or moisture that will prevent drying.

**COLOR:**

Pink

**COVERAGE:**

One gallon covers 250 (23.2 m<sup>2</sup>)- 300 sq. ft. (27.8 m<sup>2</sup>), depending upon the porosity and the texture of the substrate.

**PACKAGING:**

1 gallon/3.78 liters plastic container  
5 gallon/18.9 liters pail

**SHELF LIFE:**

One year from date of manufacture.

**PROTECT FROM FREEZING**

**CAUTION:** Do not take internally. Contains Polyvinyl Alcohol and Acetate in Emulsion. Avoid contact with eyes. In case of contact, flush thoroughly with clean water for at least 15 minutes and get prompt medical attention. Empty container may be hazardous to children.

**KEEP OUT OF REACH OF CHILDREN.**

<b>Technical Assistance</b>
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