



Technical Data Sheet

BONDING AGENT™

RE-EMULSIFIABLE PLASTERING BONDING ADHESIVE

PART 1: GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

BULL-BOND® BONDING AGENT is a liquid adhesive based on latex polymers with re-emulsifiable properties. This water based latex emulsion is a bonding adhesive used for plastering applications. It provides a permanent bond for fresh cement mortars and plastering mixes to structurally sound concrete surfaces. Once applied and cured it re-emulsifies when in contact with fresh cementitious mixes providing wet tack and developing strong adhesive properties to the fresh cement mortars. Bull-Bond® BONDING AGENT eliminates the need for mechanical devices to join the plaster coat. Plaster placement speed is increased significantly along with considerable reductions in mortar droppings. This results in greater worker productivity and project delivery time improvements while upgrading the plaster and stucco job finish quality. Meets ASTM C-932, ASTM C-631, MIL-B-19235.

1.2 BASIC USES:

- Re-emulsifiable Plastering Bonding Agent for concrete:
 - Walls
 - Ceilings

BULL-BOND® BONDING AGENT is suitable for interior and exterior use on appropriate surfaces for the previously mentioned applications.

1.3 SUITABLE SUBSTRATES:

- Concrete
- Masonry (CMU Blocks and Bricks)
- Cement Board
- Plaster
- Wood
- Wallboard
- Brick
- Painted Surfaces

1.4 ADVANTAGES:

- Promotes superior plaster adhesion and bond strength
- Bonds new plastering mixes to existing concrete surfaces
- Tensile Bonding Strength >300 psi.
- No need for mechanical devices to join plaster coat.
- Increased plaster placement rate and increased worker productivity
- Improvement of stucco finish quality
- Characteristic blue color material aids proper application
- Water-based
- Non-toxic

1.5 LIMITATIONS:

- This product is not formulated for use in horizontal surfaces subject directly to water contact, frequent water exposure or water immersion. It is not suitable for use in areas with water exposure, such as exterior pavements, sidewalks and curbs, concrete roofs, water tanks, swimming pools, etc.
- This product is not recommended for use on structural repairs or patching applications where reinforcing steel is exposed.
- Requires air curing and becomes less effective if left exposed in very moist or rainy environments before the application of the plastering overlay.
- Maximum permissible drying time is unpredictable and can vary from 2 to 4 weeks depending on water and humidity exposure. Should BONDING AGENT film lose its water sensitivity (re-emulsification capability), prior to the application of the plastering overlay, a new, fresh coat of BONDING AGENT must be re-applied.
- Recommended plaster thickness per coat is 3/8" or 1.0 cm.
- BONDING AGENT may be applied over previously painted surfaces but the adhesion of the plastering will be dependent on the adhesion of the previous coating. Wait 60 days before applying BONDING AGENT over a newly painted surface. Glossy painted surfaces should be dulled or roughened with abrasives.
- Minimum application temperature should be 55°F and rising. Placing of concrete products at temperatures below 50°F is not recommended because of poor cement hydration and faulty BONDING AGENT polymer coalescence and drying.
- Never install over non-dimensionally stable materials.

PART 2: TECHNICAL DATA

2.1 PRODUCT CHARACTERISTICS:

| PRODUCT CHARACTERISTICS | |
|--------------------------|-------------------------------|
| BULL-BOND® BONDING AGENT | |
| COMPOSITION | WB Polymer |
| COLOR | Light Blue. Dries Clear Blue. |
| DENSITY | 8.9 lb/gal |
| pH | 5.5-6.5 |
| BONDING STRENGTH | >300 psi |
| OPEN TIME | 2 hrs - 14 days |
| SHELF LIFE | 12-24 months |

2.2 MATERIAL APPLICATION PROPERTIES:

| APPLICATION RATE AND YIELD | | |
|----------------------------|---------------------------------|-----------------------------|
| BULL-BOND® BONDING AGENT | | |
| APPLICATION METHOD | RATE | |
| Roller | 100-200 ft ² /gallon | 9-19 m ² /gallon |
| Brush | 75-150 ft ² /gallon | 7-14 m ² /gallon |

PART 3: INSTRUCTIONS

3.1 SURFACE PREPARATION

- All substrates must be structurally sound, thoroughly clean and free of oil, wax, grease, dust, asphalt, existing patching materials or any other contaminant that might act as a bond breaker.
- Remove any loose material, delaminations, deteriorated concrete, paint, sealer, mold, release agents or water-soluble materials. Clean the surface with high pressure water blasting if necessary.
- Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. Stubborn contaminants should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure.
- For chalky surfaces with efflorescence first apply mechanical abrasion with a wire brush or another abrasive then remove efflorescence powder with acid etching using BULL-BOND® KLEANCRETE™ or regular muriatic acid following the manufacturer's instructions for each respective product. Remember to thoroughly rinse and neutralize the concrete surface to assure the surface pH is alkaline before product application.
- Smooth concrete surfaces must be mechanically abraded to ensure a good bond. Surface preparation work can be done by grinding, scabbler, or other appropriate mechanical methods to obtain a CSP profile of 1-4.
- Ambient temperature, surfaces and materials should be below 90°F. It is recommended to install the material during the freshest moments of the day, be it during the morning or afternoon. It is also recommended to use cold mixing water to reduce heat in the cementitious mix.
- New concrete must be allowed to cure according to industry standards.
- If concrete substrate is very porous, presoaking the surface with clean water will prevent rapid water absorption from BONDING AGENT film.

3.2 APPLICATION

1. Always premix the BONDING AGENT solution to ensure any material that may have settled during extended storage is well dispersed.
2. Apply a uniform coat of neat BONDING AGENT at 75-200 ft²/gallon using a roller or brush evenly working it into the concrete substrate. Form a continuous thin film over the entire surface to be worked on. Additional coats may be required over extremely porous concrete.
3. Re-apply over areas not satisfactorily covered. Protect film from dirt, debris and strong rains until cement plaster finish is placed. Check to be sure there is no peeling or curling of the film before applying cementitious overlay.
3. Apply the cementitious overlay as soon as the bonding agent film is fully cured but during the open time range.

** BULL-BOND® BONDING AGENT films lose much of their water sensitivity on aging. If too much time passes between applying BONDING AGENT and the placement the plastering overlay, the film might not reemulsify and act more like a bond breaker. Maximum permissible drying time is unpredictable and can vary from 2 to 4 weeks. Should the film lose its water sensitivity prior to the application of a cement plaster finish, a new/fresh coat of BONDING AGENT must be reapplied before plastering. If surface is questionable, apply a test patch using the product system finish specified and check for adhesion.*

** For two-coat applications of cement plaster or stucco, apply a scratch coat of 3/8" thick, allow the scratch to dry 24 hours or more; then apply the finish coat a maximum of 1/2" thick. When two or more coats of cement*

plaster are necessary, only the first coat is bonded with BULL-BOND® BONDING AGENT. If the 24 hour minimum drying is not followed, moisture in the finish coat could penetrate the scratch coat and wet the BONDING AGENT film resulting in a possible bond failure.

3.3 CLEANUP

Immediately wash hands and tools promptly with water before material cures. In case of spillage, dike spill and absorb. Place residues into appropriate container and dispose in accordance with applicable local regulations. Uncured BONDING AGENT can be removed with water. Dried films can be mechanically removed with a scrapper or sharp blade.

PART 4: PRECAUTIONS

Avoid breathing product vapors or mist. Use only with adequate ventilation. Can cause eye, nose and throat irritation. Could be harmful if swallowed. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label and SDS.

PART 5: DISCLAIMER & WARRANTY NOTICE

Any use of BULL-BOND® Products for purposes other than those specifically described by the product label, published instructions and/or technical data sheet shall render this warranty null and void. CONSPRO CORP. will not be liable for product usage recommendations by salespersons or employees that are contrary to published instructions and/or technical data sheet. The user is responsible for examining all published instructions and technical data sheets and shall determine the suitability of the product for his intended use before application and/or use. The user assumes all liabilities and risks whatsoever in connection the use and application of the product.

CONSPRO CORP. warrants, subject to the terms and limitations hereof, that the Bull-Bond® Bonding Agent will perform as specified when applied in accordance with all application procedures outlined in the product's technical data sheets. Failure to follow all currently published installation instructions will render the warranty null and void. If any material is found defective or not usable, CONSPRO CORP. will promptly replace the defective material to the purchaser or refund the purchase price. CONSPRO CORP.'s liability is strictly limited to refund the purchase price or to replace the defective material with an equal or similar product.

All defective product claims must be received in writing within 30 days of the discovery of the fault. No claims will be considered without such written notice. CONSPRO CORP. will promptly investigate all properly reported claims. Our investigator will prepare a written/oral report describing the nature of the problem and an explanation for the reported difficulties. An authorized officer of CONSPRO CORP. will handle all complaints and resolve any pending problems after this point.

Warranty is invalidated by poor workmanship not in accordance with written product installation instructions, product installation guidelines and applicable industry standards. Owner is responsible for routine maintenance. CONSPRO CORP. is not responsible for normal wear and tear resulting from regular usage or for warranty claims involving product abuse or misuse. Warranty does not cover damage or defects resulting from:

1. Natural disasters, vermin or acts of God,
2. Misuse, abuse or negligence,
3. Lack of maintenance,
4. Standing or pooling water,
5. Fire, faulty construction or design, inadequate drainage or other failure of the structure,
6. Failure of the building substrate,
7. Defects, blisters or delamination in the materials, substrate, coating or systems to which the Product is applied,
8. Impact of foreign objects, including damage, tears and/or abrasions, or
9. Discoloration, fouling or damage that is solely cosmetic unless specified in product warranty.

This warranty is not transferable nor assignable by contract or operation of law either directly or indirectly.

This warranty is made in lieu of any and all other warranties, expressed

or implied, including the warranties of merchantability and or fitness for use, which are hereby disclaimed. It is understood and agreed that buyer's sole remedy and therefore seller's liability whether in contract, tort, under any warranty in negligence, or otherwise, is limited to the return of the purchase price. The product warranty does not cover consequential and/ or special damages or labor costs of any sort, including labor costs related to product re-application. Any and all problems, controversies, disputes or claims arising or regarding the use, warranty, recommendations, effectiveness, durability or others involving this product will be resolved only by arbitration in the Commonwealth of Puerto Rico per applicable Puerto Rico arbitration rules and proceedings in effect at the time the claim is known.

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