

Conspec Special Bond

Acrylic Latex Modifier

Description

A ready to use, polymer emulsion designed to modify Special Patch and other Portland Cement mixes. For improved compressive, flexural and adhesive strength. Special Bond also improves the abrasion, chemical and water resistance of modified mortars. Special Bond can also be used as a modifier for concrete, masonry, stucco, terrazzo and gypsum sand mixes.

Manufacturer

Conspec
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Technical Service (877) CONSPEC

Use

Special Bond is a ready to use latex emulsion that is non-re-emulsifiable, non-oxidizing and ultra-violet stable. It is white in color, but dries clear.

Special Bond is ideal for interior or exterior bonding, topping, leveling, patching, and dressing of concrete and masonry.

Special Bond can be used as an additive for Portland Cement and sand mixes in filling and repairing concrete cracks and joints. It minimizes shrinkage cracks in concrete, stucco and plaster and may eliminate the need for separate air entraining agents.

Benefits

When used with Special Patch or other Portland Cement based mortars, Special Bond improves:

- Adhesion and bond strength
- Compressive strength
- Impact resistance
- Abrasion resistance

- Flexural strength
- Resistance to freeze/thaw cycles
- Resistance to chloride ion penetration
- V.O.C. compliant

Applicable Standards

MIL-B-19235A (Docks). Bonding compound, concrete.

GSA Specifications for bond adhesive.
Corps of Engineering CE 204.01.

Architectural Specifications

Acrylic Latex Modifier: Use a ready to use, non-re-emulsifiable additive in Portland Cement and sand mixes and patching and leveling materials for increased strength. Approved product:

Conspec Special Bond or approved equivalent.

Application

Surface Preparation: Remove all dirt, oil, wax, cures and sealers, loose paint, mildew, rust and other foreign material. Flush surface with water. Surfaces must be sound and firmly bonded. Roughened surfaces offer the best bond.

Mixing: Use a maximum of 7 pints of Special Bond when mixing Special Patch powder to form an easy-to-apply mixture. Do not mix more than four minutes with low r.p.m. equipment. Prior to application of Special Patch on the substrate surface, brush, spray, or roll on some of the remaining Special Bond to the surface. Following that, immediately apply Special Patch. DO NOT allow Special Bond to dry prior to Special Patch application.

T E S T D A T A

Typical results using Special Bond with Portland Cement mortar (5000 psi mix)

Flexural Strength	ASTM C-78	1200 psi avg.
Tensile Strength	ASTM C-190	640 psi avg.
Bond Strength	ASTM C-1042 ASTM C-1059	2000 psi avg.
Scaling Resistance	ASTM C-672	
25 cycles		Rating: 0
50 cycles		Rating: 0-1

When Special Patch hardens in approximately 1 to 2 hours, brush the remainder of the Special Bond over the patch surface.

The same procedures should be applied when Special Bond is used as a modifier for any cement/sand mix.

Packaging

Available as a unit with Special Patch. Also available in the following packaging sizes:

- 55 gallon drums
- 5 gallon pails
- 1 gallon jugs (4 to a case)

Limitations/Precautions

Do not allow to freeze. Do not apply over frozen surfaces, water soluble paints, rust or peeling paints. Prolonged water curing of Special Bond mortars or concrete is neither necessary or desirable. Do not apply where excessive hydrostatic water pressure is present.

Keep out of reach of children. Do not take internally. Avoid prolonged contact with skin. If swallowed, call physician. If splashed in eyes, wash repeatedly with clean water and call physician. Wear rubber gloves, goggles and protective clothing.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

Storage

Special Bond should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head.

Technical Services

Complete technical and specification assistance services are available from the manufacturer and their authorized representatives and distributors.

Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.