

B-730 MORTAR ADDITIVE

Description

ProSpec® B-730 Mortar Additive is an acrylic polymer emulsion developed to enhance the properties of ProSpec Non-Polymer Modified Thin Set Mortars. B-730 Mortar Additive improves workability, extends open time, increases bond strength, improves flexibility, adhesion, impact strength and freeze thaw resistance.

Features

- Additive for ProSpec Non-Modified Thin Set Mortars
- Walls, floors or ceilings
- Exceeds ANSI A118.4 and A118.11
- Reduces water absorption
- Excellent adhesion to exterior grade plywood
- Interior or exterior
- Sets most types of ceramic tile or stone

Uses

For installation of:

- Ceramic tile
- High bottom lugged tile
- Glass tile
- Marble (except warpable marble)
- Quarry tile
- Porcelain tile
- Slate
- Cement tile
- Pavers
- Other natural stone

For installation over:

- Concrete
- Gypsum wall board (walls only)
- Properly prepared cut back adhesive
- Countertops
- B-6000 Waterproof Membrane
- Cork underlayment
- Wherever latex thin set mortars are specified
- Masonry
- Properly prepared resilient flooring
- Exterior grade plywood (interior floors only)
- Tile backerboard
- Properly cured and finished concrete
- Tile over tile
- For other substrates, contact the ProSpec Technical Department

Technical Data

	ProSpec® Sanded Thin Set Mortar with ProSpec B-730 Mortar Additive	ANSI A118.4
Water Absorption	1.15%	n/a
Shear Strength to Porcelain Tile		
28 days dry	350 psi (2.4 MPa)	>200 psi (1.4 MPa)
Shear Strength to Quarry Tile to EGP Plywood		
28 days dry	200 psi (1.4 MPa)*	>150 psi (1.0 MPa)

* Wood failure

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Preparation

The substrate must be dry, clean, sound and dimensionally stable. It must be free from loose particles, wax, sealers, curing compounds, grease, and efflorescence. Concrete floors must be fully cured (28 days) and have a fine broom finish.

Apply ProSpec B-730 Modified Thin Set Mortar only to surfaces that are frost free and above 50° F (10° C) for 72 hours.

Expansion joints are necessary for exterior installations exceeding 8 to 12 feet (2 to 4 m) in each direction. Interior installations 20 to 25 feet (6 to 8 m).

Expansion joints shall be located (refer to the TCA Handbook for Ceramic Tile Installation):

- Where tile work abuts restraining surfaces, such as perimeter walls, curbs, columns, pipes and the like.
- Directly over joint in structural floor and over construction or cold joints.
- Directly over expansion or control joints.
- Where specified in the architectural drawing.

NOTE: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Mixing

1. ProSpec® B-730 is formulated in the correct proportions for use in thin set mortars. Mix latex well before using. Do not dilute.
2. Use clean tools and clean containers.
3. Add just enough dry thin set to the B-730 to produce a thick but trowelable consistency or as described in the ProSpec thin set product literature. Troweled ridges should not flow or slump.
4. Mix thoroughly. Let stand 10 minutes to give all chemicals time to slake. Remix and use. Do not add more B-730 or dry materials after slaking.
5. Do not mix with a high-speed power mixer. High speed mixing tends to beat in air and reduce the strength of the mortar.
6. Working life in the bucket is approximately 2-3 hours.

Application

All installations must conform to the current specification in ANSI A108.5 or A108.10 and the TCA Handbook for Ceramic Tile Installations.

1. Select the proper trowel size:
The proper trowel is one that will insure a minimum of $\frac{3}{32}$ " (2 mm) layer of mortar between the tile and substrate after the tile has been beaten. The proper trowel should also result in a minimum of 80% coverage, 100% when used on exterior.
2. With pressure, apply a skim coat to the substrate with the flat edge of the trowel.
3. Comb the mortar in one direction with the recommended notched trowel, only that part of the bed that can have tile put on it before skinning occurs. If skinning occurs, scrape and discard skinned mortar.
4. Press tile into place and slide perpendicular to the ridges to insure proper coverage.
5. Tile may be adjusted up to 15 minutes after placing.
6. Tile floor must be firmly set before grouting. This requires at least 16 to 24 hours.
7. Grout with ProSpec Unsanded Tile Grout, ProSpec Sanded Tile Grout or ProSpec B-7000 Epoxy Grout.
8. Clean all tools with soapy water before mortar dries.



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Best Performance

1. Do not apply to a frozen or frosted surface. Mortars should not be applied to backings that are below 40° F (4° C), nor should the mortar be exposed to freezing conditions during the first 72 hours of curing.
2. Do not adjust tile after mortar takes its initial set or the bond will be permanently broken.
3. Never add latex or dry material after the thin set mortar has slaked. This caused shrinkage and results in poor bond.
4. Do not soak tile.
5. Do not use worn trowels. It is important to have the ridges of the thin set mortar the full depth of the trowel notches.
6. Do not allow traffic on freshly installed tile for 16 to 24 hours.
7. Add full strength to non-modified thin set mortars, dilute 1:1 when added to ProSpec unsanded grouts.

Coverage

Consult the product information sheet for the respective thin set mortar or grout.

Packaging

1 gallon (3.8 L) (4/case) and 5 gallon (19.0 L) containers

VOC Content

0 lbs./gallon or 0 g/l

Shelf Life

One year from the date of manufacture when stored in the original unopened container. Protect from freezing.

Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Contains acrylic copolymer emulsion. May be harmful if swallowed. If swallowed, call a physician immediately. If splashed in eyes, irrigate with large amounts of water and contact a physician.



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First Aid

ProSpec® B-730 Mortar Additive is a water-based milky liquid product.

When B-730 Mortar Additive is mixed with a cementitious product it results in a mixture that is highly alkaline. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

Eyes:

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

Skin:

Wash skin with water and soap or a mild detergent. Seek medical treatment if irritation or inflammation develops.

Inhalation:

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

Ingestion:

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

For additional information, call Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

Refer to Material Safety Data Sheet (MSDS) for further information.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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