

### 1. PRODUCT NAME

ProSpec® B-710 SBR Mortar Additive

### 2. MANUFACTURER

H.B. Fuller Construction Products Inc.  
1105 South Frontenac Street  
Aurora, IL 60504-6451 U.S.A.

1-800-552-6225 Office  
1-800-952-2368 Fax  
prospec.com

### 3. PRODUCT DESCRIPTION

ProSpec® B-710 SBR Mortar Additive is a synthetic, rubber, polymer emulsion used as a fortifier in non-modified tile setting mortars, Floor Mud and other cement-based materials.

#### Features and Benefits

- Extends open time
- Increases bond strength, flexibility and workability
- Improves freeze/thaw resistance

#### Uses:

Meets ANSI A118.4 when added to non-modified tile setting mortars  
Installation of: (interior or exterior use)

- Porcelain tile
- Ceramic tile
- Stone
- Marble
- Quarry tile
- Slate
- Pavers
- Precast terrazzo
- Swimming pool tile
- Sand/cement screeds
- Mud beds/mortar beds
- Cement tile
- High bottom lugged tiles
- Tile in steam rooms and cold storage rooms where temperature and conditions require superior water resistance
- Tile in commercial kitchens and high traffic areas, such as showrooms and shopping malls
- When latex-modified, portland cement mortar is specified

#### Installation over:

- Tile backerboard
- Concrete
- Masonry
- Water resistant gypsum sheathing

Note: All installation must comply with procedures outlined in ANSI A108.5 for exterior grade.

### SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website [prospec.com](http://prospec.com) or contact Medical Emergency Phone Number (24 Hours): 1-888-853-1758, Transport Emergency Phone Number (CHEMTREC):1-800-424-9300 or contact ProSpec® Technical Services at 1-800-832-9023 (7:00AM to 5:00PM M-F, Central US Time).

### CAUTIONS

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered ProSpec® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

### 4. TECHNICAL DATA

ProSpec® PermaSet® 200 with B-710 SBR Mortar Additive	Time	Typical Values	ANSI A118.4
Shear Strength to Porcelain Tile	28 days dry	300 psi (2.1 MPa)	> 200 psi (1.4 MPa)
Shear Strength to Quarry Tile	28 days dry	300 psi (2.1 MPa)	> 150 psi (1.0 MPa)

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Test results obtained under controlled laboratory conditions. Reasonable variations can occur due to atmospheric and job site conditions.

### VOC

< 10 g/l

### LEED® Eligibility<sup>1</sup>

- Regional Materials (MR-c5)
- Low-Emitting Materials (IEQ-c4.1, IEQ-c4.3)

### Packaging

5 gal (13.2 L) - Product #65460011

### Shelf Life

12 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight.

## 5. INSTALLATION

### Preparation

- Surface must be clean, dry, hard and free from dirt, loose particles, wax, sealers, curing compounds, grease, paint, efflorescence and any foreign materials that will inhibit adhesion.
- Walls and floors must be structurally sound, free of movement and dimensionally stable.
- Surfaces to receive tile shall be plumb and true with square corners. Maximum variation from the required plane shall be: Subfloor Surfaces – 1/4" (6 mm) in 10' (3 m) for tile less than 15" (381 mm) on any one side and the required plane shall be 1/8" (3 mm) in 10' (3 m) for tile 15" (381 mm) or greater on any one side.
- Concrete floors must be fully cured (28 days) and have a fine broom finish. Sprinkle water on the substrate in various areas looking for penetration. If water droplet or beading of water is noticed then surface contaminants are present that will cause loss of adhesion and must be removed. Smooth troweled surfaces should be scarified to assure bond. Inspect surfaces that will receive the tile and the tools used to install it.

Notify the architect or other designated authority in writing of any defects or conditions that prevent a satisfactory tile installation. (See ANSI A108.5)

In case of truing or leveling the work of others, use ProSpec® Floor Patch Pro, a ProSpec® Level Set® Self-Leveling Underlayment or ProSpec® Vinyl Concrete Patch.

Expansion joints are necessary for all installations. Expansion joints shall be located (refer to the [TCNA Handbook for Ceramic Tile Installation](#) Detail EJ171):

- 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.
- All materials should be stored at 40°F (4°C) to 80°F (27°C) 24 hours prior to installation.

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

### Job Mockups

The manufacturer requires that when its ProSpec® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

### Mixing

1. B-710 SBR Mortar Additive is formulated in the correct proportions for use in tile setting mortars. Mix latex well before using. Do not dilute.
2. Use clean tools and clean containers.
3. Add just enough dry tile setting mortar to the B-710 SBR Mortar Additive (1 - 1.5 gal (3.8 - 5.7 L) of additive per 50 lb bag). to produce a thick but trowelable consistency or as described in the appropriate ProSpec® tile setting mortar 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-710 SBR Mortar Additive 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

Apply only to surfaces that are frost free and above 40°F (4°C) and below 100°F (38°C) within 24 hours of application and 72 hours thereafter. Installation must conform to the current specifications in ANSI A108.5 and the TCNA Handbook for Ceramic Tile Installations.

1. Select the proper trowel size. The proper trowel is one that will insure a minimum of 3/32" (2 mm) layer of mortar between the tile and substrate after the tile has been set. The proper trowel should also result in a minimum of 80% coverage for interior or dry areas and 95% for exterior, wet areas or natural stone installations.
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. Spread only an area that can be covered with tiles within 10 minutes.
4. Tiles which have ribs or lugs on the back should be back-buttered just prior to placement.
5. Press tile into place and slide perpendicular to the ridges to insure proper coverage.
6. Tile may be adjusted up to 15 minutes after placing.
7. Tile floor must be firmly set before grouting. This requires at least 16 - 24 hours.
8. When used in wet areas (swimming pools, etc.) allow latex to thoroughly cure prior to continued moisture exposure. May require 2 - 4 weeks depending on temperature, humidity and water exposure.
9. Grout with ProSpec® ProColor Sanded Grout, ProSpec® ProColor Unsanded Grout or ProSpec® B-7000 Epoxy Mortar & Grout.
10. Clean all tools with soapy water before mortar dries. Dried material must be removed mechanically.

### Curing

Dry curing is recommended.

## Limitations

- Do not apply to a frozen or frosted surface. Mortars should not be applied to surfaces that are below 40°F (4°C), nor should the mortar be exposed to freezing conditions during the first 72 hours of curing.
- Do not adjust tile after mortar takes its initial set or the bond will be permanently broken.
- Do not add latex or dry material after the thin set mortar has slaked. This causes shrinkage and results in poor bond.
- Do not soak tile.
- Do not use worn trowels. It is important to have the ridges of the tile setting mortar the full depth of the trowel notches.
- Do not allow traffic on freshly installed tile for 16 - 24 hours.
- Do not use over wood.

## 6. AVAILABILITY

To locate ProSpec® products in your area, please contact:

Phone: 800-832-9002

Website: [prospec.com](http://prospec.com)

## 7. WARRANTY

For warranty details, see your sales associate or [prospec.com](http://prospec.com)

## 8. MAINTENANCE

Not applicable

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235

### Technical and safety literature

To acquire technical and safety literature, please visit our website at [prospec.com](http://prospec.com)

## 10. FILING SYSTEM

Division 9

<sup>1</sup> ProSpec® products can contribute to LEED® credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).

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Data Sheets are subject to change without notice. For the latest revision, check our website at [prospec.com](http://prospec.com)



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