

1. PRODUCT NAME

ProSpec® B-730 Mortar / Acrylic 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-730 Mortar / Acrylic Additive is an acrylic polymer emulsion used as an admixture for superior adhesion of cement based products and to enhance the properties of ProSpec® non-modified tile setting mortars. When used as directed B-730 Mortar / Acrylic Additive improves workability, extends open time, increases bond strength, improves flexibility, adhesion, impact strength and freeze/thaw resistance.

Features and Benefits

As a tile setting mortar additive

- Additive for ProSpec® non-modified tile setting mortars
- Interior or exterior
- Walls, floors or ceilings
- Sets most types of ceramic tile or stone
- Excellent adhesion to exterior grade plywood
- Reduces water absorption
- C2ES1P1 performance per ISO 13007 when mixed with ProSpec® PermaSet® 200 or ProSpec® PermaSet® 275
- Exceeds ANSI A118.4 and A118.11

Uses as a thin set additive:

For Installation:

- Ceramic tile
- Porcelain tile
- Glass tile
- Quarry tile
- Pavers
- Non-moisture sensitive marble
- Slate
- Cement tile

For Installation Over:

- Concrete
- Tile backerboard
- Gypsum wall board (walls only)
- Properly prepared cut back adhesive

Uses (cont.)

For Installation Over (cont.):

- ProSpec® B-6000 Waterproof / Crack Isolation Membrane
- Masonry
- Properly prepared resilient flooring
- Exterior grade plywood (interior floors only)
- Properly cured and finished concrete
- Properly prepared tile
- Properly prepared VCT tile
- Wherever latex tile setting mortars are specified

Features and Benefits

As a cement additive

- Solvent free/VOC compliant
- Increases tensile strength
- Enhances adhesion and durability
- Improves workability
- Improves curing
- Interior/exterior
- Reduces potential for efflorescence

Uses as a cement additive in:

- Portland cement/masonry products
- Portland cement-based repair products
- Portland cement-based grouts

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website 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

A118.11 Tile Setting Mortar	Time	Typical Values	ANSI A118.4 / A118.11
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

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

< 21 g/L

LEED® Eligibility¹

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

Packaging

1 gal (3.8 L) - Product #65460020

5 gal (19.0 L) - Product #65460021

55 gal (208 L) - Product #65460022

Shelf Life

12 months from the date of manufacture when stored in the original, unopened container 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 contaminates 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 joints 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.

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 as a tile setting mortar additive

1. B-730 Mortar / Acrylic 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-730 Mortar / Acrylic Additive to produce a thick but trowelable consistency or as described in the 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-730 Mortar / Acrylic 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.

Mixing as a cement additive

Refer to the individual cement mortar(s) product manufacturer's instructions for recommended mixing ratios of latex and powder.

Note: Dilute 1:1 when added to ProSpec® Unsanded Grouts.

Application

Tile Setting Products

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 the bond coat after the tile is embedded, shall be 3/32" (6.4 mm). The proper trowel should also result in a minimum of 80% coverage, 95% when used on exterior or in wet areas or with marble and natural stone.
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 - 24 hours.
7. Grout with ProSpec® ProColor Sanded Grout, ProSpec® ProColor Unsanded Grout or ProSpec® B-7000 Epoxy Mortar & Grout.
8. Clean all tools with soapy water before mortar dries. Dried mortar must be mechanically removed.

Curing

Areas in which tile is being set shall be closed to traffic and all other work. Light traffic is not permissible until 16 - 24 hours after completion, and heavy traffic not until seven days.

Cleaning

Use water to clean all tools immediately after use. Dried material must be mechanically removed.

Limitations

- Do not use if the temperature is below 40°F (4°C) and below 100°F (38°C).
- Do not apply to a frozen or frosted surface or if the surface temperature will drop below 50°F (10°C) for the initial 72 hours.
- Do not use for moisture sensitive stone, resin backed tiles or cultured marble. Use B-7000 Epoxy Mortar & Grout.
- Do not soak tile.
- Do not use over oriented strand board (OSB), hardwood flooring, metal or any other dimensionally unstable substrate.
- Do not add latex or dry material after the tile setting mortar has slaked.
- Do not adjust tile after mortar takes its initial set.

Coverage

Consult the product information sheet for the respective tile setting mortar or grout.

6. AVAILABILITY

To locate ProSpec® products in your area, please contact:
Phone: 800-832-9002
Website: prospec.com

7. WARRANTY

For warranty details, see your sales associate or 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

10. FILING SYSTEM

Division 9

¹ 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



H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
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