

### 1. PRODUCT NAME

ProSpec® Slab Bedding Grout

### 2. MANUFACTURER

TEC Specialty Products LLC  
1105 South Frontenac Street  
Aurora, IL 60504-6451 U.S.A.  
1-800-832-9002 Customer Service  
1-800-832-9023 Technical Support  
prospec.com

### 3. PRODUCT DESCRIPTION

ProSpec® Slab Bedding Grout is a non-shrink, high compressive strength, non-metallic grout used for placing prefabricated concrete pavements.

#### FEATURES & BENEFITS

- Highly fluid, can be pumped through 1 1/4" (32 mm) grout hole ports
- Over 3,500 psi compressive strength in 24 hours
- Excellent bond
- Non-metallic
- Cement-based, non-corrosive, not a chemical concrete
- Special mix design formulated to meet the requirements of the Fort Miller Co. Inc. Super Slab System®

#### USES

- Ideal for bedding grout for precast concrete roadway panels

#### 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 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, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

#### LEED® Eligibility¹

- Regional Materials (MR-c5)

#### PACKAGING

Gray: 35 lb (16 kg) bag

#### 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.

### 4. INSTALLATION

#### Preparation

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

**Note:** Always install ProSpec® Slab Dowel Grout before Slab Bedding Grout. Do not drive on any slab with any construction equipment or vehicle until the Slab Dowel Grout has achieved 2,500 psi (17.2 MPa). To do so may compromise future efficiency of load transfer between slabs.

**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

Ideal mixed product temperature at placement is 65°F - 70°F (18°C - 21°C).

Hot temperatures will shorten setting time, while cold temperatures will extend setting time.

- **Hot Weather:** Keep bagged Slab Bedding Grout cool. Mix Slab Bedding Grout using chilled water to extend working time.
- **Cold Weather:** Do not use antifreeze or accelerators and keep Slab Bedding Grout warm. Combine the warmed repair material with 90°F (32°C) mixing water.
- Mix as close to the area being repaired as possible. Slab Bedding Grout requires only the addition of clean potable water.
- Use 6.75 qt (6.4 L) - 7.5 qt (7.1 L) based on ambient conditions and job site situations to a 35 lb (16 kg) bag.
- Place the potable water into the mixing container and add the grout while mixing.
- Slab Bedding Grout can be mixed in a mortar mixer or by using a paddle attached to a heavy duty 1/2" drill (650 rpm).
- Mix for 2-3 minutes to a lump-free consistency.
- Do not retemper or overwater.

**Note:** The water quantities shown are approximate and may vary slightly with type of equipment and application conditions.

#### APPLICATION

- Apply when air and substrate temperatures are between 40°F (4°C) and 100°F (38°C). For applications outside this range of temperatures, contact ProSpec® Technical Services.
- Slab Bedding Grout is a special mix formulated to meet the requirements of Slab Bedding Grout for use in the Fort Miller Co., Inc. Super Slab System®. The purpose of Slab Bedding Grout is to fill any small voids that may exist between the slab and the prepared subgrade after the "supergrading" process has been completed.
- Slab Bedding Grout is installed by pumping into the bedding grout distribution system cast into the underside of each slab. Pump the grout into the lowest of the two connected ports and keep pumping until grout extrudes from the uphill port.
- The bedding grout is very fluid, but the grout will take a short while to disperse beneath the slab, so that the port will need to be refilled occasionally until the level ceases dropping in the port. The refilling is easily accomplished by a laborer who tops off the ports from a pail, pouring the grout directly into the port, or into plastic funnels provided by Fort Miller for this purpose.
- Continue with the pumping of bedding grout into each distribution channel until all the channels in each slab have been grouted. Leave the bedding grout level down 2" (51 mm) from the top of the slab (or remove grout if required) and cap off with Slab Dowel Grout.
- When grouting slab connectors, the Slab Dowel Grout may be driven on by construction equipment and vehicles once it has achieved 2,500 psi (17.2 MPa) regardless of the strength achieved by the Slab Bedding Grout.
- For Super Slab System® installations, follow installation instructions as outlined by The Fort Miller Co. Inc. (518) 695-5000 or at [fortmiller.com](http://fortmiller.com).

#### CLEANING

Use water to clean all tools immediately after use.

## LIMITATIONS

- Do not retemper after mixing.
- Do not overwater or add other cements or additives.

## COVERAGE

35 lb (16 kg) bag yields 0.41 ft<sup>3</sup> (11.6 L)

Density: 85.37 lb/ft<sup>3</sup>

## 5. AVAILABILITY

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

**Phone:** 800-832-9002

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

## 6. WARRANTY

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

## 7. MAINTENANCE

Not applicable

## 8. 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).

## 9. FILING SYSTEM

Division 3

<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).

## 10. TECHNICAL DATA

Compressive Strength ASTM C 942	
12 hours	≥ 600 psi (4.1 MPa)
1 day	≥ 3,500 psi (24.1 MPa)
7 days	≥ 7,000 psi (48.3 MPa)
28 days	≥ 8,500 psi (58.6 MPa)
Flow (Cone) ASTM C939	
15 - 25 seconds	

**Note:** Test results obtained under controlled laboratory conditions at 73°F (22.7°C) and 50% relative humidity.

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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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