1. PRODUCT NAME
ProSpec® Vinyl Concrete Patch

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® Vinyl Concrete Patch is a fast-setting, one-component, polymer-modified, calcium aluminate cement-based, horizontal concrete patching compound.

Features and Benefits
• Designed for horizontal applications
• Can be applied from 1/16" (2 mm) - 2" (51 mm) in one lift
• Ready for pedestrian traffic in 8-12 hours
• Ready for vehicle traffic in 48 hours
• Excellent abrasion resistance
• Excellent resistance to deicing salts
• Shrinkage compensating
• Exceeds ASTM C928 for High Strength Mortar

Uses
Repair of:
• Balcony/decks
• Overlayment and underlayment applications
• Industrial floors
• Driveways
• Tunnels
• Loading docks
• Concrete pipes
• Concrete beams and columns
• Resetting/pointing of brick, block or stone
• Walkways
• Curbs
• Ramps
• Concrete roof tile

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 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

<table>
<thead>
<tr>
<th>Test</th>
<th>ASTM</th>
<th>Material Property</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set Time ASTM C191</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final set</td>
<td></td>
<td></td>
<td>60 - 70 minutes</td>
</tr>
<tr>
<td>Compressive Strength ASTM C109</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 hours air cured</td>
<td></td>
<td></td>
<td>&gt;2,400 psi (16.5 MPa)</td>
</tr>
<tr>
<td>7 days</td>
<td></td>
<td></td>
<td>&gt;5,000 psi (34.5 MPa)</td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>&gt;5,500 psi (37.9 MPa)</td>
</tr>
<tr>
<td>Flexural Strength ASTM C78</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 days</td>
<td></td>
<td></td>
<td>&gt;1,400 psi (9.7 MPa)</td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>&gt;1,850 psi (12.8 MPa)</td>
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<tr>
<td>Tensile Strength ASTM C190</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7 days</td>
<td></td>
<td></td>
<td>&gt;500 psi (3.4 MPa)</td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>&gt;600 psi (4.1 MPa)</td>
</tr>
<tr>
<td>Shear Bond Strength ASTM C882</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>&gt;1,800 psi (12.2 MPa)</td>
</tr>
<tr>
<td>Length Change Percent ASTM C157</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Air cured</td>
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<td></td>
<td>-0.003%</td>
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<tr>
<td>Splitting Tensile ASTM C496</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>&gt;450 psi (3.1 MPa)</td>
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<tr>
<td>Resistance to Deicing Salts ASTM C672</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 cycles</td>
<td></td>
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<td>0 visual rating</td>
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<tr>
<td>Modulus of Elasticity ASTM C469</td>
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<td></td>
<td>2.46 x 10 6</td>
</tr>
<tr>
<td>Abrasion Resistance ASTM C944</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28 days</td>
<td></td>
<td></td>
<td>2.3 g loss</td>
</tr>
</tbody>
</table>

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

Test results obtained under controlled laboratory conditions. Tested using 3 qt (2.8 L) of water. Reasonable variations can occur due to atmospheric and job site conditions.
Mixing
1. Add dry material to 3 - 4 qt (2.8 - 3.7 L) of clean potable water per 40 lb (18.1 kg) bag.
2. For enhanced performance substitute 1 qt (0.9 L) of TEC® Patch Additive (used at full strength) for 1 qt (0.9 L) of water per 40 lb (18.1 kg) bag.
3. Mix mechanically with a high torque electric drill not to exceed 600 rpm with a paddle type mixing blade or an appropriately sized mortar mixer.
4. Mix for a maximum of 3 minutes to ensure a homogenous consistency. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the mix temperature.
5. For broom applications: Use 6 qt of TEC® Patch Additive (used at full strength) and gradually add the 40 lb (18.1 kg) bag of ProSpec® Vinyl Concrete Patch.

Application
Apply when air and substrate temperature is between 40°F (4°C) and 100°F (38°C). For applications outside this range of temperatures, contact ProSpec® Technical Services.
1. Mix only the amount of material that can be placed in 20 minutes.
2. For placements greater than 2" (50 mm) in depth, preblend 16 lb (7.3 kg) of washed SSD of 3/8" (9.5 mm) graded aggregate per 40 lb (18.1 kg) bag or place in lifts to a maximum of 2" (50 mm) in depth.
3. To obtain a non-skid surface use a damp sponge, rubber float or a damp broom.
4. For brush or broom coat resurfacing, dampen the broom and spread the material to an even thickness.
5. If other materials are to be installed over the substrate, consult that manufacturer for recommendations.
6. Do not apply on substrates that are frozen or contain frost.
7. Do not bridge over existing expansion or control joints.
Note: For vertical applications use ProSpec® BlendCrete®.

Curing
Do not wet the surface before the material has reached final set. Maintain a minimum of 40°F (4°C) for 48 hours after application. Product should be air cured unless hot and/or drying winds or low humidity are present. Under such conditions, lightly fog spray.

Cleaning
Use water to clean all tools immediately after use.

Coverage
1 lb (0.45 kg) covers approximately 1 ft² (0.09 m²) @ 1/8" (3.17 mm). 40 lb (18.1 kg) yields 0.36 ft³ (0.01 m³).

LEED® Eligibility
- Regional Materials (MR-c5)

Packaging
Gray: 40 lb (18.1 kg) bag - Product #7161183558

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
All materials should be stored at 40°F (4°C) to 80°F (27°C) 24 hours prior to installation.
1. Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance.
2. Slick or sealed surfaces must be thoroughly roughened to CSP 3-5. Completely expose and clean all reinforced steel, ensuring a minimum clearance of 3/4" (19 mm) behind reinforcing steel.
4. Surface should be brought to a saturated surface dry (SSD condition with clean potable water.
5. For difficult to bond substrates or 1/16" repair applications, mix with TEC® Patch Additive (used at full strength).

Refer to:
ASTM D4259 Abrading Concrete
ICRI Guideline 03730 Surface Preparation Guidelines for Repair of Deteriorated Concrete Resulting from Reinforcing Steel Oxidation
ICRI Guideline 03731 Selecting Application Methods for the Repair of Concrete Surfaces.
ICRI Guideline 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays
ACI 201.1R Guide for Making a Condition Survey of Concrete in Service

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.

Data Sheets are subject to change without notice. For the latest revision, check our website at prospec.com
Limitations
• Do not retemper.
• Do not over trowel.
• Do not apply over substrates that are frozen or contain frost.
• Do not add any materials other than clean potable water or
  recommended additive.
• Do not apply over non-structural light weight concrete.
• Do not apply over concrete cured less than 7 days.

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 3

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