

Conspec All Patch™

Description

Conspec All Patch™ is a single component, cement based, polymer modified, patching and repair product for any maintenance and new construction projects. All Patch™ can be applied from featheredge to 1 inch(2.5 cm) per lift. All Patch™ can be used for horizontal, vertical and overhead surfaces.

Manufacturer

Conspec
 4226 Kansas Avenue
 Kansas City, Kansas 66106
Customer Service (800) 348-7351
Technical Service (877) CONSPEC

Use

All Patch™ is specially formulated for vertical and overhead patching and concrete repairs of holes, cavities and cracks. Use All Patch™ for special shaping after material is set. Typical applications are:

- Floors
- Sidewalks
- Walls
- Pipes
- Manholes
- Steps
- Curbs
- Precast
- Foundations
- Structures

Benefits

- Can be featheredged
- One-component; just add water
- Can be used inside or outside
- Self-curing; does not require curing
- Can be shaped
- Available in 5 minute or 20 minute set times
- Does not contain calcium chloride
- Available in a "light natural color" formula. All Patch Light

Architectural Specifications

Patching Material: All concrete and masonry repairs shall be performed with Conspec All Patch™ as manufactured by Conspec, Kansas City, Kansas. Patching material shall be mixed and installed in strict accordance with the manufacturer's written recommendations and directions. Technical service shall be made available by the manufacturer upon request.
Approved Product: Conspec All Patch™ or approved equivalent.

Application

Surface Preparation: The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance, or other surface contaminants. Unsound concrete must be removed. Dampen

surface to be repaired with clean water. Use a mix of All Patch™ scrubbed into the surface as a bond coat. This coat should not be allowed to dry prior to the application of the repair mortar.

Mixing: Mix 6 - 7 pints(2.8-3.3 L) per 50 lb.(22.7 kg) bag of material. Mix with a low speed drill. Add recommended amount of clean water into the container followed by the All Patch™. Mix 2 to 3 minutes. Mix only what can be applied within the setting period.

***Note:** All Patch™ may be used with 6 - 7 pints(2.8-3.3 L) of Conspec Strong Bond neat or mixed 1 to 1 with water per 50 lbs.(22.7 kg) of powder to increase durability, abrasion resistance and bond strength.

Application: Trowel All Patch™ onto the prepared surface. Should multiple lifts be required, scratch and reprime with All Patch™ prior to subsequent 1"(2.54 cm) per lift. Initial layer should be allowed to set prior to scratch and reprime. (6 - 7 pints(2.8-3.3 L) per 50

TEST DATA AT 75 ° F (23.9°C)

Mix Ratio (Water to powder): 1:7 (6 - 7 pints(2.8-3.3 L) 50 lb(22.7 kg) bag)

Compressive Strength (ASTM C-109)

3 hours	250 psi (1.7 MPa)
1 day	3000 psi (20.7 MPa)
7 days	5000 psi (34.5 MPa)
28 days	6000 psi (41.4 MPa)

Yield 0.54 ft³ (0.0153 m³)

Setting Times Available At (ASTM C-266)

5 min. final set or 20 min. final set

lb.(22.7 kg) bag) water/powder 1:7 by weight. This can be varied to produce a stiff or plastic consistency.

When placing with a trowel, force All Patch™ with pressure into the crack or the spalled area.

For deep applications, apply All Patch™ in layers and allow five to six hours between applications.

Delay troweling until the surface begins to harden.

Curing: All Patch™ is self-curing under most conditions. To assure maximum durability under severe drying conditions (high wind and temperature, low humidity), moist cure or use an approved ASTM C-309 Conspec curing compound.

Packaging

50 lb. triple lined bag (22.7 kg)
50 lb. pail (22.7 kg)

Limitations/Precautions

DO NOT place at temperatures below 40°F(5°C) or if the temperature is expected to fall below 40°F(5°C) in the next twenty-four hour period. In hot weather, follow ACI Committee 305 recommended procedures.

Do not apply over hard troweled or tightly finish floor without first scarifying the floor.

Do not apply as a skim coat over large areas. Contact the manufacturer with any questions.

Contains Portland Cement and sand. Cement will cause irritation. Avoid

contact. Use of a dust respirator, safety goggles and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. DO NOT wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children. Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

Receiving

All bagged products should be checked for dryness prior to signing shipping papers.

Storage

All Patch™ should be stored in a cool, dry interior area. At no time, should material be exposed to high moisture, rain or snow conditions.

Technical Service

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.