

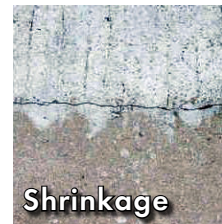


DESCRIPTION

SILSPEC® FLEXPATCH is a three-component, 100% solids, multi-purpose, high-strength, non-shrink, waterproof, non-conductive, semi-flexible polymer patching mortar. It is for longer lasting patches and has excellent workability. The system combines a high-quality polymer resin and curing agent with an engineered blend of graded aggregates.

- Non-Conductive
- Fast Installation
- Elastomeric
- Abrasion Resistant
- Waterproof
- Outlasts Cement-Based Patches
- No Shrinkage
- ASTM C-881, Type III, Grade 1, Class B & C

Eliminates increased deterioration caused by cement based patches:



BENEFITS

- No “Halo” Effect
- Short Traffic Closure
- Moves With Deck
- Long Wearing
- No Salt Freeze/Thaw Damage
- Low Life Cycle Cost
- No Edge Cracks
- VOC Compliant
- No Primer Needed

USES

- Bridge Decks
- Roadways
- Conforms to ACPA Bulletin TB003 For Use in Partial Depth Pavement Repairs
- Parking & Garage Decks
- Concrete Pavement Joint Edge Repair
- Meets USDA Specifications for Use in Food Processing Areas



PACKAGING

0.5 cu. ft. Unit (0.014 cu. m): Consists of a ½ gallon, each, of part “A” and “B” and 1 bag of aggregate.
1.0 cu. ft. Unit (0.028 cu. m): Consists of 1 gallon, each, of part “A” and “B” and 2 bags of aggregate.
5.0 cu. ft. Unit (0.14 cu. m): Consists of 5 gallons, each, of part “A” and “B” and 10 bags of aggregate.
Shelf Life: 2 years in original, unopened container.
Storage Conditions: Store at 50 - 90° F. Condition at 65 - 80° F before using.

TYPICAL PHYSICAL PROPERTIES

Compressive Strength	psi @ 4 Hours (Method B) psi @ 24 Hours (Method B)	1,500 Minimum 4,500 Minimum	ASTM C579 ASTM C579
Bond Strength	psi	2,500 Minimum	ASTM C882
Linear Shrinkage	Percent	Negligible	ASTM C531
Abrasion Resistance	Weight Loss (H-22) Grams	1.0 Maximum	ASTM C501
Chloride Ion Permeability	Coulombs	1.0 Maximum	AASHTO T-277
Thermal Compatibility	Pass	Pass	ASTM C884

APPLICATION

Surface Preparation:



Step 1: Remove all deteriorated and unsound concrete with chipping hammers. Chipping hammer shall not exceed 30 lbs.



Step 2: Thoroughly clean patch area by sandblasting. Any exposed reinforcing steel shall be blasted to white metal finish.



Step 3: Blow all dust and loose particles from patch area with oil-/moisture-free compressed air.

Mixing: SILSPEC® FLEXPATCH 1 cu. ft. kit, or larger, should be mixed using a paddle mortar mixer. Do not attempt to hand mix large quantities. Small quantities of SILSPEC® FLEXPATCH can be easily mixed using a heavy-duty hand drill. Mechanically mix components A and B, 1:1 by volume, with a Jiffy mixer and variable speed drill at 300 rpm for a minimum of 3 minutes.

Step 1: Mechanically mix components A and B, 1:1 by volume, in a clean pail and mix thoroughly for minutes with a drill and spiral Jiffy-type mixer on low speed.
Step 2: If mixing in a pail, while stirring, slowly add the included amount of aggregate to the mixed SILSPEC® FLEXPATCH liquid polymer until thoroughly mixed. Up to 5 cu. ft. per batch can be mixed using an appropriately-sized paddle-type mortar mixer. Call SSI for mixing and cleanup instructions.

Patching Concrete:



If the depth of the patch is less than 1 inch, approximately 10% of the aggregate should be withheld. Place SILSPEC® FLEXPATCH into prepared hole. Screed or float to desired level. Thoroughly compact and finish with a steel trowel, paying special attention to the edges.

CLEANUP

Equipment: Uncured material can be removed with Citrus Cleaner, or other approved solvent. Cured material can only be removed mechanically.

Material: Collect with absorbent material. Dispose of in accordance with local, state, and federal disposal regulations.

FIRST AID

Eye Contact: Flush immediately with water for at least 15 minutes. Contact a physician immediately.

Respiratory Contact: Remove person to fresh air.

Skin Contact: Remove any contaminated clothing. Remove polymer immediately with a clean and dry towel. Wash skin thoroughly with soap and water. Solvents should **not** be used, as they carry the irritant into the skin.

Cured polymer is innocuous.

LIMITATIONS

- Minimum substrate surface is 40° F (5° C)
- Minimum age of concrete for bonding should be 28 days, unless manufacturer is consulted
- Not for full-depth repairs



CAUTIONS

Component A: Irritant
Component B: Corrosive

Product is a strong sensitizer. Use of safety goggles and chemical-resistant gloves is recommended.

Use of a NIOSH/MSHA organic vapor respirator is recommended, if ventilation is inadequate.

Avoid breathing vapors.

Avoid skin contact.

(800) 888-8909



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Warranty Limitations: SSI represents to the purchaser of this product from SSI (referred to as customer) that the information in this literature is an accurate description of the typical characteristics, properties, and uses of the product, if transported, stored, and applied in accordance with this literature and the referenced Material Safety Data Sheet. Unless SSI provides, before product installation, an express written warranty after receipt and evaluation of specific written project conditions and applicable scope documentation, SSI's exclusive warranty is that the product will conform to the sales representations stated, herein, and the current Material Safety Data Sheet. SSI expressly disclaims all other express or implied warranties, including without limitation warranties of merchantability and fitness for particular purpose. In no event shall SSI's liability for damages arising from the sale of this product the amount of purchase price received by SSI from customer for this product delivered to the project in question, or at SSI's sole option, SSI may replace the product or portion thereof that does not conform to the foregoing representation. SSI expressly excludes any liability for special or consequential damages.

Customer is solely responsible for evaluating job conditions and the suitability of described physical properties and characteristics of the product to meet specified or apparent project requirements and for application of the product in accordance with SSI's recommendations.

These representations are intended for reliance exclusively by the customer and are not intended to benefit any other person or entity. These exclusions, modifications, or limitations of warranties, including their effect on rights and remedies, that are effective against are also effective against subsequent purchasers, users, and third party beneficiaries of the sale of this product.

SSI undertakes no responsibility for storage, mixture, preparation of surfaces, application, use, or misuse of product or its conformity to specifications that are not previously and expressly acknowledged in writing by SSI.

To Purchase, Please Contact SSI at Any of the Following Locations:

Dallas, TX (972) 243-0676 ♦ Fort Worth, TX (682) 647-1881
Houston, TX (713) 460-8800 ♦ Austin, TX (512) 326-1156
San Antonio, TX (210) 930-6360 ♦ El Paso, TX (915) 591-6800
McAllen, TX (956) 782-1341 ♦ Springdale, AR (479) 365-8050

Baton Rouge, LA (225) 620-0950 ♦ New Orleans, LA (504) 539-3102
Kansas City, MO (816) 561-1617 ♦ St. Louis, MO (314) 410-6801
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Thank You For Choosing SSI