



# SILSPEC FLEXPATCH

## Product Description

A three-component, 100% solids, multi-purpose, high-strength, non-shrink, water-proof, semi-flexible polymer patching mortar for longer lasting patches with excellent workability. The system combines a high quality polymer resin and curing agent with an engineered blend of graded aggregates.

## Uses

- Bridge Decks
- Roadways
- Parking and garage decks
- Airport Runways and Taxiways
- Conforms to ACPA Bulletin TB003 for use in partial depth pavement repairs



## Advantages

- Specifically engineered to provide superior patching, while demonstrating physical characteristics similar to the concrete substrate
- Convenient volume mixing ratio: all components pre-measured
- Rapid setting

## Packaging & Coverage

.5 cu. ft. Unit ( .014 cu. m. ) Consisting of 1/2 gallon each of part "A" and "B", and 1 bag of aggregate.

1.0 cu. ft. Unit ( .028 cu. m. ) Consisting of 1 gallon each of part "A" and "B", and 2 bags of aggregate.

5.0 cu. ft. Unit ( .140 cu. m. ) Consisting of 5 gallons each of part "A" and "B", and 10 bags of aggregate.

**Shelf Life:** 1 year in original unopened container.

**Storage Conditions:** Store at 50°F - 90°F. Condition material to 65°F - 80°F before mixing.

## TYPICAL PHYSICAL PROPERTIES

Compressive Strength	PSI @ 4 hrs. (Method B)	1500 Min	ASTM C 579
	PSI @ 24 hrs. (Method B)	2400 Min	"
Bond Shear Strength	PSI	650 Min	ASTM C 882
Linear Shrinkage	Percent	0.00%	ASTM C 531
Abrasion Resistance	Wear Index (Taber H-22)	1.0 Max	ASTM C 501
Chloride Ion Permeability	Coulombs	1.0 Max	AASHTO T-277
Resilience	Percent	70 Min	OK/OHD L-6
Thermal Compatibility	Pass	Pass	ASTM C 884

## HOW TO USE

### SURFACE PREPARATION:

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

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

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

## MIXING:

Depending on the batch size required. Flexpatch can be easily mixed using a 1/2" heavy duty hand drill with a spiral type jiffy mixer or a powered paddle type mortar mixer.

**Step 1:** Pour components A and B into a clean pail and mix thoroughly for 3 minutes with a drill and spiral type jiffy mixer on low-speed.

**Step 2:** If mixing in a pail, while stirring slowly add the appropriate amount of component C to the mixed Flexpatch liquid polymer till thoroughly mixed. For large batches mixed in a mortar mixer, add the liquid components first. Then add the aggregate, agitate the mix until the aggregate is totally "wetted-out".

## PATCHING CONCRETE:

If the depth of the patch is less than 1", prime the bottom and sides of the patch with "neat" FLEXPATCH resin. DO not allow the prime coat to dry before placing FLEXPATCH.

Immediately place patch. Pour FLEXPATCH into prepared hole. Set screeds or float to desired level, strike off, thoroughly compact and finish with a steel trowel.

## Limitations

Minimum substrate temperature is 40°F (5°C).

Minimum age of concrete for bonding should be 5-7 days.

## Cleanup

**EQUIPMENT:** Uncured material can be removed with a solvent such as xylene, xylol, toluene or mineral spirits. Cured material can only be removed mechanically.

**MATERIAL:** Collect with absorbent material. Flush area with water. 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 physician immediately.

**RESPIRATORY CONTACT:** Remove person to fresh air.

**SKIN CONTACT:** Remove any contaminated clothing. Remove polymer immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

**CURED POLYMER IS INNOCUOUS.**

## 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.

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## Construction & Industrial Materials

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### SEALANTS • WATERPROOFING • INSULATION • CONCRETE AND MASONRY ACCESSORIES

TULSA  
PO Box 50009  
TULSA, OK. 74150  
918/587-5567

OKLAHOMA CITY  
610 NE. 36th St.  
OKLAHOMA CITY, OK  
73105  
405/524-9525

DALLAS  
2376 GLENDA LANE  
DALLAS, TX. 75229  
972/243-0676

HOUSTON  
2211 SABINE  
HOUSTON, TX. 77007  
713/862-3900

AUSTIN  
4213 TODD LANE  
AUSTIN, TX. 78744  
512/326-1156

SAN ANTONIO  
2104 MANNIX  
SAN ANTONIO, TX.  
78217  
210/828-6922