

## Basalite Fast Patch

### Description:

Basalite Fast Patch is a sanded, cement based, fast-setting concrete patching material. Fast Patch is formulated to set in 15 - 20 min \* and gain strength rapidly. It will not slump which is ideal for application without formwork.

\* Set time may vary based on temperature, and humidity

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### Uses:

Basalite Fast Patch is Ideal for

- General purpose concrete patching
- Patching repairs on concrete curbs, sidewalks, and stairs
- Underwater Concrete Patching
- Patching or repairing connections in concrete pipe, precast, overhead beams, and floors

### Advantages:

- Controlled Set
- High early strength
- Enhanced Bonding
- Ready to use, just add water
- Vertical and overhead application
- non-Chloride
- Can be tooled and shaped

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### Mixing Tips and Procedures:

- Surface Preparation: All surfaces to be in contact with Fast Patch must be entirely free of oil, grease or other foreign substances. Roughen surface and clean thoroughly with potable water leaving the concrete saturated but free of standing water. Fast Patch is Suitable to be used with any acrylic bond enhancing liquid, Basalite Acrylic Bonder is preferred where enhanced bond strength is required.
- Mixing: Fast Patch should be thoroughly mixed to the desired consistency by varying the amount of water used. Fast Patch is not designed to be a pourable patch. It is important not to exceed the recommended water requirements. Mortar mixers, barrel-type mixers and hand mixing are suitable for blending Fast Patch. Add around 80% of the measured water and mix thoroughly if the desired consistency is not achieved slowly add the remaining water.
- Consistency: For a trowelable consistency add between 4 - 5 quarts of water per 55 lb. bag. Water demand and mixing time will change depending on weather conditions.
- Placement: Fast Patch may be dry-packed or troweled into place. Only mix the amount of material that can be easily placed in fifteen minutes.
- Curing: It is desirable to moist cure Fast Patch for at least eight hours after initial set.

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## Technical Data:

The data outlined below is representative of typical values achievable under controlled laboratory conditions. Results obtained in the field may vary from those stated.

	<u>Test Method</u>	<u>Trowellable Consistency</u>
Flow	ASTM C 928	50 - 100%
Compressive Strength	ASTM C 109	
1 - Hour		1000 psi
1 - Day		1500 psi
7 - Day		4300 psi
28 - Day		5800 psi
Set Time		
Workability	N/D	10 - 20 Min
Initial	ASTM C 266	30 - 40 Min
Final	ASTM C 267	50 - 80 Min
Bleeding	ASTM C 940	N/D
Segregation	N/A	N/A
Density	ASTM C 185	133-137 PCF
Yield	ASTM C 185	.45 - .52 CF / Bag
Proportions:	1 part PC, .3 parts CAC, to 1.7 parts Sand	

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## Limitations:

Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per sack will result in inferior physical properties.

- Fast Patch should not be used in applications where thickness is to exceed 2".
- Fast Patch is designed as a trowellable concrete repair material. For structural applications requiring flowable consistencies and fast set, Basalite Non-shrink Grout Fast Set should be used.
- Fast Patch is not intended to resurface areas greater than 15 Sq Ft.

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## LEED Information:

Provided the jobsite is within 500 miles of Dupont Washington, a portion of Basalite Fast Patch will qualify for LEED Credit 5.1 and 5.2 for regional materials. Regional Materials by Weight = 50%.

There is no Pre, or Post - Consumer recycled material content in Basalite Fast Patch.

Basalite Fast Patch is considered a "Manufactured Goods" as defined in Subpart 25.602-1 of the ARRA and follows the Buy American provisions of the American Recovery and Reinvestment Act of 2009.

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## Packaging:

Fast Patch is packaged in 55 lb. triple-lined paper bags, and tubs sized 5 lb., and 10 lbs. All Basalite Dry Mix can be custom packaged to meet specific project requirements.

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**Safety Precautions:** Basalite Fast Patch contains Portland Cement, Type S Hydrated Lime, and other carefully selected additives. Normal safety wear used to handle conventional cement-based products such as rubber gloves, dust mask and safety glasses should be worn. Material Safety Data Sheets are available upon request.

## HMIS III:

Health	1
Flammability	0
Hazard	1
Personal Protection: E	1