



# XS FIBER & RODS

## BASALT TECHNOLOGY



View More Info for this Product at  
<http://www.surecretedesign.com/rods-and-fibers/>

## XS RODS & FIBERS

### DESCRIPTION

Basalt Structural Rods and Fibers are extruded from naturally mined igneous rock that has been melted and wound into useful rods or fibers for reinforcing concrete. The superiority to traditional reinforcement is astounding:

- Improved tensile strength
- Thermal stability
- Non-reactive with air or water
- Non-corrosive
- Alkali resistant
- Advanced heat and sound insulating properties
- Non-combustible
- Explosion Proof
- Non-toxic
- Chemical resistant

Coming from a single element, basalt rock, Basalt Structural Rods and Fibers naturally assimilate into concrete or cement based products. They readily replace traditional reinforcement, and always improve the final product.

### PACKAGING

#### Basalt Fibers

- ½" - 6 & 50 lbs.
- 1" - 6 & 50 lbs.
- 2" - 6 & 50 lbs.

#### Basalt Rods

- 1 mm - 10' lengths
- 2 mm - 10' lengths
- 3 mm - 10' lengths
- 6 mm - 20' lengths
- 8 mm - 20' lengths
- 10 mm - 20' lengths
- 12 mm - 20' lengths

### SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened box is (12) months from the date of purchase. Storage must be under roof and off the floor. Foam rails must be continuously supported on flat, level surface. Tape must be laid flat and protected from unintentional adhesion by stacking rolls on top of one another. Rotate inventory to maintain product that is within limits.

### BASALT RODS SIZING CHART

Bar Number	Bar Size	Grade	Bar Type	Minimum Yield (Mpa)	Minimum Yield (Ksi)	Minimum yield (psi area)
3	0.375"	60	Steel	420	60	6,600
4	0.5"	60	Steel	420	60	11,760
5	0.625"	60	Steel	420	60	18,300
6	0.75"	60	Steel	420	60	26,460
n/a	8 mm	n/a	Basalt	1,100	160	12,320
n/a	10 mm	n/a	Basalt	1,100	160	19,200
n/a	12 mm	n/a	Basalt	1,100	160	28,000

### BASALT RODS REPLACEMENT MODEL

Basalt Rebar	Will Replace
3 mm	#2 Pencil Rod, #3 - 3/8" grade 60 Steel rebar
6 mm	#3 - 3/8" grade 60 Steel rebar, #4 - 1/2" grade 60 Steel rebar
8 mm	#3 - 3/8" grade 60 Steel rebar, #4 - 1/2" grade 60 Steel rebar
10 mm	#4 - 1/2" grade 60 Steel rebar, #5 - 5/8" grade 60 Steel rebar
12 mm	#5 - 5/8" grade 60 Steel rebar, #6 - 3/4" grade 60 Steel rebar

## BASALT FIBER LOADING

Low - 1 ½ lbs. per cubic yard  
Medium - 2 lbs. per cubic yard  
High - 3 lbs. per cubic yard

## BASALT FIBER MIXING

Introduce fibers into mix at a rate slow enough to prevent bunching and clumping.

## DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

## LIMITATIONS

For use by trained professionals that have read the complete TDS and SDS.

## WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

## CAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** When used according to direction, no hazard is anticipated. **Inhalation:** Avoid breathing of airborne dust, particularly present during mixing, handling, or cutting. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. **Skin Contact:** Skin contact will cause irritation. Gloves should be worn when handling. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection during mixing, handling, or cutting. Contact with eyes will cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

## PRODUCT PART #'S

1 Inch Basalt Fiber - 6 lb. Bag	SKU# 45107002
1 Inch Basalt Fiber - 50 lb. Bag	SKU# 45107005
3mm Basalt Rebar - 10 ft. Rod	SKU# 45107008
3mm Basalt Rod - 5 ft. Rod (Buddle of 20)	SKU# 45107007