

SILIKAL® FM Concrete Screed

For concrete surfacing, sloping and leveling



Expect more from your floor.

Description

Silikal FM Concrete Screed is a fast setting, high strength concrete surfacer for levelling and sloping of concrete. The mix design is engineered to provide high early and ultimate compressive strength for fast track screeds and application of subsequent overlays. Polymer overlays can be applied as soon as the screed can be mechanically prepared, generally within a 24 hour period. Silikal FM Concrete Screed can be applied at thicknesses up to 8 inches with a minimum thickness of 3/8 inch. The product is applied and finished with conventional concrete tools and techniques.

Packaging And Coverage

Silikal FM Concrete is packaged in a 50 Pound Bag. Add 25 to 60 pounds of 1/4 x 3/8 pea gravel, silica pebbles, granite or trap rock per bag. A 75 pound mix will yield 0.5 cubic feet. A 110 pound mix will yield 0.75 cubic feet.

Typical Properties

Compressive strength, psi	
1 day.....	3500
7 days.....	7000
28 days.....	9500

Flexural Strength, psi	
28 days.....	1100

Splitting Tensile Strength, psi	
28 days.....	1100

Application

Concrete must be sound and cleaned either by abrasive or water blast. Pours under 2 inch thickness must be primed with an epoxy concrete bonding agent. Broadcast R41 or wet bonding agent with coarse silica sand to cover.

Add 3 quarts of water to each 50 pound bag of product. Add additional aggregate and mix for two to three minutes in a concrete mixer or with an auger mixer until material is homogeneous and reaches desired consistency. Up to 4 quarts of water can be added for a 100 pound mix.

Finishing

A float finish is recommended. Conventional finishing and curing techniques are acceptable. Do not over-trowel. Moist cure with wet blankets or similar techniques for 12 to 72 hours depending on temperatures, relative humidity and thickness of pour. Subsequent polymer surfacers can be applied once the concrete has developed sufficient strength to be prepared by shot blast equipment.

Warranty

SILIKAL AMERICA warrants its products to conform to its manufacturing standards. **SILIKAL AMERICA** will replace or refund the purchase price of non-conforming products at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of noncompliance and no later than one year from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product data or warranty.



WARNING: This product consists of amorphous silica dioxide, sulfonated naphthalene condensate, Portland cement and silica sand. Can cause skin and eye irritation. Silica sand can cause damage to the lungs. Dust masks should be worn when mixing.

Silikal America

609-B Fertilla Street
888.333.1404
www.silikalamerica.com

Carrollton, GA 30117
770.830.9213
info@silikalamerica.com

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Product Data
Page 1 of 1