

# Fabrishield® 100 Series

## DESCRIPTION AND USE

- Penetrating
- Hardening
- Dustproofing
- Water Repellent
- Modified Silicate

FABRISHIELD® 100 is a series of clear, penetrating sealers, hardeners, dustproofers, and water repellents, which provide invisible protection for concrete, brick, stucco, and concrete block surfaces. When properly applied, they keep treated surfaces dry and stop water, oil, and chemical intrusion. This, in turn, helps these surfaces to resist stain damage, algae growth, freeze-thaw spalling, efflorescence, and alkali run-downs (which can damage glass).

FABRISHIELD® 100 series sealers are a blend of modified silicates which react with the free lime in the surface to be treated, triggering a chemical reaction that actually densifies the surface and creates a hard insoluble gel within the pores of the substrate.

## ADVANTAGES

Surfaces treated with FABRISHIELD® 100 series sealers exhibit good water and oil repellency thus reducing maintenance costs as well as making future cleaning easier. Because FABRISHIELD® 100 series sealers stabilize the free lime in concrete surfaces, dusting is eliminated. This ensures that overlayments such as linoleum, carpet, and vinyl tiles benefit from the stabilization of this lime (which otherwise reduces the effectiveness of adhesives as well as generating dust).

Because FABRISHIELD® 100 series sealers actually densify the substrates they are applied to, they help to increase the abrasion resistance of these surfaces. Denser surfaces are more resistant to the penetration of water, oil, acids, and other chemicals. FABRISHIELD® 100 series sealers are water-based, thus eliminating harmful vapours during application as well as making the products suitable for application to marginally dry surfaces.

## APPLICATION

Test each surface to ensure compatibility, to confirm product selection, to establish typical coverage rate and to confirm degree of water repellency. The surfaces to receive FABRISHIELD® should be clean, free of stains, vegetative growth, and efflorescence, thoroughly sound and in good repair. Any deficiencies should be corrected prior to the application of FABRISHIELD® (this should include caulking). On new construction or where repairs have been undertaken, surfaces should be allowed to cure for a minimum of 14 days.

Materials selection should be based upon optimum penetration and resultant repellency. FABRISHIELD® 100 series sealers are designed for the following uses:

**FABRISHIELD® 120** –  
*Ready to use on **new** substrates.*

**FABRISHIELD® 150** –  
*Stabilizing **old**, porous substrates.*

**FABRISHIELD® 199** –  
*Concentrate for jobsite blending.*

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FABRISHIELD® 100 series sealers can be applied by brush, roller, mop, or sprayer. All oil, dirt, dust, grease, or other substances should be removed prior to the application of the sealer. Consult the manufacturer for the suitable FABRIKEM® products formulated to work in conjunction with FABRISHIELD® 100 sealers.

When applying FABRISHIELD® by sprayer onto vertical surfaces, it is suggested that the substrate receive an initial light "mist" coat to break the surface tension. This should then be followed immediately by a uniform flood coat which allows just enough material to carry a 6 inch rundown from the contact point. Application should be made in an overlapping pattern and coverage controlled to approximately that established by the test panels. If test panels have indicated the need for a second coat, above procedures should be repeated, allowing at least 24 hours for the first coat to dry.

When applying FABRISHIELD® to horizontal surfaces, use sufficient material to uniformly cover the areas to receive treatment, being careful to redistribute any puddles within 15 minutes of application. The presence of whitish deposits indicates the excessive application of material. These deposits should be scrubbed with a stiff brush and hot water to be removed.

## LIMITATIONS

FABRISHIELD® should be applied to relatively dry surfaces, however total dryness is not imperative. The surface and ambient temperatures should be a minimum of 4°C (40°F) and expected to remain so for at least 24 hours following application. Do not allow FABRISHIELD® to reach surfaces which can be damaged by alkali solutions (this is especially true of aluminum). Care should be taken to avoid getting FABRISHIELD® 100 series sealers on glass or porcelain. Any overspray must be wiped off immediately.

## CAUTION

FABRISHIELD® 100 series sealers are caustic and should be handled accordingly. Protective gear (gloves, goggles, clothing, etc.) should be worn. **AVOID CONTACT WITH SKIN.** Consult the product MATERIAL SAFETY DATA SHEET before using.

## COVERAGE

Coverages can vary from 150 to 450 square feet per gallon depending on the porosity and surface texture of the substrate. **TEST PANELS ARE THEREFORE IMPERATIVE.** The table below shows typical coverage rates which should be helpful for estimating the amount of material required. These rates are approximate.

<i>Substrate</i>	<i>Coverage</i>
Smooth Concrete	400-450 sq.ft./gal.
Textured Concrete	300-350 sq.ft./gal.
Extruded Clay Brick	175-225 sq.ft./gal.
Dry-pressed Clay Brick	150-200 sq.ft./gal.
Smooth Textured Stucco	300-350 sq.ft./gal.
Heavy Textured Stucco	175-225 sq.ft./gal.
Smooth Faced Block	200-250 sq.ft./gal.
Split Faced Block	100-150 sq.ft./gal.

**POROUS SUBSTRATES WILL REQUIRE  
ADDITIONAL MATERIAL**

## DILUTIONS

FABRISHIELD® 120 and 150 are normally used as supplied. FABRISHIELD® 199 is concentrated for jobsite mixing. The first coat of FABRISHIELD® 199 should be diluted 1 part of sealer to 4 parts of clean, warm (preferably hot) water. Additional coats should be diluted 1 part of sealer to 2 parts of water.

## GUARANTEE

FABRIKEM MANUFACTURING LTD. guarantees its products when they are applied in accordance with its printed instructions. Results of inadequate surface preparation, improper mixing, incorrect application, inadequate protection, and other factors beyond the manufacturer's control cannot be held to the manufacturer's responsibility. No responsibility can be accepted beyond the purchase price of the product.

## LEED INFORMATION

VOC's = <5 g/l (water out)  
Manufactured in Langley BC  
Harvested/Extracted in Langley BC  
0% Recycled Content (Consumer and/or Industrial)

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