

Fabrishield® 900 Series

- Penetrating Water Repellents
- Water-Borne Formulation
- Silane/Siloxane Technology
- Chemically Bonded
- Water Vapour Permeable

Bulletin 57- G
10/'26

DESCRIPTION AND USE

FABRISHIELD® 900 is a series of clear, penetrating water repellents which provide invisible protection for above-grade, concrete, masonry, and stucco surfaces. When properly applied, they keep treated surfaces dry thus helping these surfaces to resist stain damage, algae growth, freeze-thaw spalling, efflorescence, salt penetration, and alkali rundowns (which can damage glass). Surfaces treated with FABRISHIELD® maintain their original aesthetic qualities longer through prolonged service life.

FABRISHIELD® 900 series repellents are low VOC (<250 grams/litre), water-borne silane modified siloxane solutions. They are especially formulated to not alter the shade of the treated surface. They are available in a variety of solids concentrations.

ADVANTAGES

Surfaces treated with FABRISHIELD® 900 exhibit good water repellency for five to seven years. By remaining water repellent, treated surfaces stay cleaner, thus reducing maintenance costs as well as making future cleaning easier. Because FABRISHIELD® 900 is a penetrating type sealer, it is unaffected by surface abrasion. This deep penetration means no aesthetic change. The breathable nature of the sealer allows moisture vapour to migrate from interior to exterior surfaces.

APPLICATION

Test each surface to be treated 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 28 days.

It should be noted that test panels are imperative. Apply material as supplied. **DO NOT DILUTE OR ALTER MATERIAL AS PACKAGED.**

Preferred method of application is with low pressure, garden type spray equipment; however brush or roller application is adequate where appropriate. Material can also be applied by airless spray equipment; however it is essential that the pressure be set very low so as to prevent atomization of the sealer upon leaving the tip.

When applying FABRISHIELD®, 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 over-lapping pattern and coverage controlled to approximately that established by the test panels.

It is essential that the absorption of the substrate be satisfied with a single application of this product (i.e. "fog and flood") as it will have a tendency to repel the water carrier in a subsequent coat.

LIMITATIONS

FABRISHIELD® should not be applied to surfaces which have been wet or rained on during any of the four preceding days or if rain is expected within 24 hours following application. 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. Prolonged cool, damp weather may slow the curing of the product. Should this occur, the product may be susceptible to “washing” so long as it remains in an uncured or partially cured state.

Although this product is environmentally friendly, it is still recommended to not allow FABRISHIELD® to reach surfaces such as shrubbery, insulation, roofing, and asphaltic materials. Protect all surrounding surfaces such as aluminum, glass, and porcelain, or clean of within 45 minutes of application. All painted surfaces should be protected.

FABRISHIELD® 900 derives small quantities of alcohol during the curing process and should be handled accordingly. Adequate ventilation must be provided and prolonged inhalation of vapours avoided. Material must be kept away from fire or flame. Goggles are advised to avoid eye irritation. **AVOID CONTACT WITH SKIN.** Consult the product MATERIAL SAFETY DATA SHEET before using.

PRODUCT SELECTION

FABRISHIELD® 900 is available in a variety of solids formulations but is typically supplied as follows:

FABRISHIELD® 905 (5%)
FABRISHIELD® 907 (7½%)
FABRISHIELD® 910 (10%)

Higher solids formulations are available. For dense concrete, FABRISHIELD® 905 is usually recommended. For most other substrates, FABRISHIELD® 907 provides a satisfactory level of protection. On very porous and highly absorptive substrates, FABRISHIELD® 910 is more suitable.

COVERAGE

Coverages can vary from 80 to 350 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. However, these rates are approximate: the determining factor for adequate coverage is the amount of rundown as noted above.

Substrate	Coverage
Smooth Textured Concrete	250 – 300 sq.ft./gal
Rough Textured Concrete	175 - 225 sq.ft./gal
Extruded Clay Brick	100 - 120 sq.ft./gal
Dry-pressed Clay Brick	70 - 90 sq.ft./gal
Smooth Textured Stucco	225 - 275 sq.ft./gal
Rough Textured Stucco	120 - 150 sq.ft./gal
Smooth Textured Concrete Block	70 - 80 sq.ft./gal
Split Faced Concrete Block	50 - 60 sq.ft./gal

POROUS SUBSTRATES WILL REQUIRE ADDITIONAL MATERIAL

GUARANTEE

FABRIKEM 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 = <25 g/l (water out)
Manufactured in Langley BC
Harvested/Extracted in Langley BC (90%)
0% Recycled Content (Consumer and/or Industrial)

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