

Fabrishield® 700 Series



- Penetrating Water Repellents
- Silane/Siloxane Technology
- Chemically Bonded
- Aesthetic Protection
- Water Vapour Permeable

DESCRIPTION AND USE

FABRISHIELD® 700 is a series of clear, penetrating sealers and water repellents, which provide invisible protection for above-grade concrete, brick, stucco, and concrete block surfaces. When properly applied, they keep vertical surfaces dry and stop water 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® 700 series sealers are a unique blend of modified silane/siloxane monomers and polymers which react with the alkalinity of the surface to be treated, triggering a chemical reaction that results in the sealer becoming an integral part of the base substrate, thus creating a water repellent barrier.

ADVANTAGES

Surfaces treated with FABRISHIELD® 700 series sealers exhibit good water repellency for five to ten years. By remaining water repellent, treated surfaces stay cleaner, thus reducing maintenance costs as well as making future cleaning easier.

Because FABRISHIELD® 700 sealers are a penetrating type, they remain unaffected by surface abrasion. This deep penetration means no aesthetic change. The breathable nature of the sealers allows moisture vapour to migrate from interior to exterior 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® (on both new and remedial construction, 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.

Materials selection should be based upon optimum penetration and resultant repellency. All FABRISHIELD® 700 series products are available in higher solids formulations (designated by the suffix H).

FABRISHIELD® 700 series sealers are designed for the following uses:

FABRISHIELD® 760 — Concrete and stone.

FABRISHIELD® 761 — Brick.

FABRISHIELD® 762 — Stucco and plaster.

FABRISHIELD® 763 — Concrete block.

Bulletin 40-E
06/'11

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. Rubber hoses and gaskets in some sprayers may be affected by the solvent carrier causing discolourations.

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 4 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. If test panels have indicated the need for a second coat (which is not usual), above procedures should be repeated, allowing a drying time of at least 24 hours.

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 four 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. Do not allow FABRISHIELD[®] to reach surfaces such as shrubbery, insulation, roofing, and asphaltic materials. Care should be taken with the use of FABRISHIELD[®] on some stucco, as the solvent carrier can cause "bleeding" of certain metallic oxides.

Protect all surrounding surfaces such as aluminium, glass, and porcelain, or clean off within 45 minutes of application. All painted surfaces should be protected. FABRISHIELD[®] 700 contains petroleum solvents 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.

TECHNICAL DATA

FABRISHIELD[®] 700 series water repellents are formulated to 7.5% solids for regular duty and 15.5% solids for heavy duty. When tested to A.S.T.M. E-514 all products pass with no penetration of water.

VOC Compliant formula
now available
(VOC's < 45 grams/litre)

COVERAGE

Coverages can vary from 50 to 300 square feet per gallon depending on the porosity and surface texture of the substrate. **TEST PANELS ARE THEREFORE IMPERATIVE.** The table 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.

| <i>Substrate</i> | <i>Coverage</i> |
|--------------------------------|----------------------|
| Smooth Textured Concrete | 300 - 350 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 | 230 - 270 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 |

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.

Bulletin 40-E — 06/11

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