

Fabrishield® 500 Series

- Methacrylate Resin System
- Water Repellent
- Aesthetic Protection
- Improved Service Life
- Dust and Dirt Control

DESCRIPTION AND USE

FABRISHIELD® 500 is a series of modified methacrylate resin based, clear sealers and water repellents, which provide colourless protection for above-grade concrete, masonry, and stucco surfaces. When properly applied, they keep treated surfaces dry and stop water intrusion. This, in turn, helps these surfaces to resist stain damage, algae growth, freeze-thaw spalling, and efflorescence. They are also ideally suited for "dust-proofing" concrete slabs. FABRISHIELD® 500 series sealers are available in either solvent or water-based formulations.

ADVANTAGES

Surfaces treated with FABRISHIELD® 500 series sealers 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® 500 sealers are breathable they allow moisture vapour to migrate from interior to exterior surfaces, yet rainborne pollutants and contaminants are effectively repelled. The water-based formulations of the product line do not have any objectionable solvent odour, are not harmful to vegetation, and will not damage painted surfaces, roofing materials, insulation or asphaltic materials.

APPLICATION (General)

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 28 days.

Materials selection should be based upon optimum penetration and resultant repellency. FABRISHIELD® 500 series sealers are designed for the following uses:

FABRISHIELD® 507 (7% solids) – Concrete, stone, and dense substrates.

FABRISHIELD® 514 (14% solids) – Stucco, and moderately porous substrates.

FABRISHIELD® 520 (20% solids) – Porous substrates and surfaces requiring greater protection.

In sealing flatwork, two factors should be kept in mind. For the purposes of "dust-proofing", FABRISHIELD® 507 is perfectly adequate. If, however, the surface will be subjected to heavy traffic, a higher solids formulation may be more desirable. 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 carrier in the solvent-based formulations causing discolourations.

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APPLICATION (Vertical Surfaces)

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 5 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 (which is usually the case), above procedures should be repeated, allowing at least 2 - 4 hours for the first coat to dry.

APPLICATION (Flatwork)

Horizontal surfaces should be properly cleaned with the appropriate FABRIKEM® cleaner before applying the sealer. Apply FABRISHIELD® in a uniform flood coat. Re-distribute any puddles which remain after 10 minutes. If a second coat is required, allow 2-4 hours for the first coat to dry sufficiently.

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 APPLY FABRISHIELD® TO SURFACES WHICH ARE FROZEN OR FROST-FILLED.

Do not allow FABRISHIELD® 500 series solvent-based products to reach surfaces such as shrubbery, insulation, roofing, and asphaltic materials. Care should be taken with the use of these solvent-based formulations on some stucco, as the solvent carrier can cause "bleeding" of certain metallic oxides.

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® 500 solvent-based formulations contain 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.

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 below shows typical coverage rates which should be helpful for estimating the amount of material required.

Substrate	Coverage
Smooth Textured Concrete	200-250 sq.ft./gal.
Rough Textured Concrete	150-200 sq.ft./gal.
Extruded Clay Brick	100-120 sq.ft./gal.
Dry-pressed Clay Brick	70- 90 sq.ft./gal.
Smooth Textured Stucco	200-250 sq.ft./gal.
Rough Textured Stucco	150-170 sq.ft./gal.
Smooth Faced Concrete Block	70- 80 sq.ft./gal.
Split Faced Concrete Block	50- 60 sq.ft./gal.

POROUS SUBSTRATES WILL REQUIRE ADDITIONAL MATERIAL

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.

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