

SEAL COAT SF100

POLYMER-MODIFIED WATERPROOFING COATING WITH ENHANCED FLEXIBILITY

DESCRIPTION

SEAL COAT SF100 is a two-component system of cement base and polymer emulsion, with enhanced bonding and flexural properties, increasing the ability of crack bridging properties.

APPLICATIONS

SEAL COAT SF100 is used for waterproofing concrete, cement base mortar, stone or brick surfaces that will be subjected to positive or negative, low to medium hydrostatic pressure.

In cases of high hydrostatic pressure, use PENETRON[®] crystalline integral waterproofing system prior to application of SEAL COAT SF100. SEAL COAT SF100 is used neat or with FIBERGLASS MESH between layers that will cover the FIBERGLASS MESH.

Basement and retaining walls

Fire extinguishing reservoir, watering tank, etc.

Planters

ADVANTAGES

Easy mixing and application (by brush)

Pre-measured component for ease of mixing

Excellent bonding on properly prepared surface

Water vapor permeability

Good flexibility

Capillary crack bridging properties up to 1/32" (0.8 mm)

Non-toxic. Non-corrosive

DIRECTIONS FOR USE

Surface preparation:

Clean surface area of all dirt, oil, paint, coatings, laitance, loose matter, etc. Tie rod and other holes, cracks, spalled areas and other large surface voids should be properly patched. Tie rod ends and other steel must be cut back to a minimum depth of 1" (2.5 cm) before patching.

Patch the areas with the appropriate PENETRON repairing mortar. Dampen surface with clean water just prior to product application.

Mixing:

SEAL COAT SF100 is supplied in premeasured units. Slowly add Part B (Powder) 18 kg to Part A (Polymer) 7 kg in a container and mix uniformly by using drill and paddle under slow speed to get a lump free and free-flowing consistency. Mixed material should be used within usable working time (30-60 min). Stiffened material should not be reworked by adding water or excess polymer.

Application:

Uniformly apply the slurry coat of SEAL COAT SF100 with a short bristle brush, making sure to fill in all surface pores and voids.

NOTE: For maximum waterproofing performance, apply a second coat after first coat has dried, within 12 hours, if the first coat is not damaged.

COVERAGE

SEAL COAT SF100 coverage is 1.8 kg/m²/mm (0.4 lb/ft²/in). Do not exceed 1mm (2/64") per layer or 1.8 kg/m²/mm (0.4 lb/ft²/in), as cracks are expected to form in its structure. Two layers of 0.9kg/m²/mm (0.2 lb/ft²/in) per coat are usually recommended for low and medium demands, and three layers for high waterproofing demands. If fiberglass mesh is used between layers of SEAL COAT SF100, the total coating thickness will be at least 2-3 mm (5/64" - 1/8"). Coverage depends on the roughness of the substrate and the waterproofing demand.

PACKAGING

SEAL COAT SF100 is supplied as a 25-kg kit.

Part A (Polymer) - 7 kg

Part B (Powder) - 18 kg

SAFE HANDLING INFORMATION

For further information, please refer to Safety Data Sheet.

KEEP OUT OF REACH OF CHILDREN.



006cCPR2016-11-01

EN 1504-2

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SEAL COAT

Coating for protection and repair
of concrete structures

Protection against ingress (Class 2.2 (C))

Water-vapor transmission: Class I

Capillary water absorption: <0.1 kg/m²h.05

Bond strength by pull-off: ≥1.5 N/mm²

Reaction to fire: NPD

Dangerous substances: NPD

WARRANTY: PENETRON INTERNATIONAL, LTD. warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON INTERNATIONAL, LTD. shall be limited to replacement of the material proven to be defective, and PENETRON INTERNATIONAL, LTD shall in no case be liable otherwise or for incidental or consequential damages. **PENETRON INTERNATIONAL, LTD. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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