PENETRON®
TOTAL CONCRETE PROTECTION

SEAL COAT SF150

POLYMER-MODIFIED WATERPROOFING COATING WITH EXTREME ELONGATION & FLEXIBILITY

DESCRIPTION

SEAL COAT SF150 is a two component, specially designed, hyper-elastic, waterproofing system of a cement base, mixed with a specially formulated polymer emulsion. SEAL COAT SF150 presents excellent bonding and elongation characteristics, which make it an ideal solution for surface waterproofing under temperature variations, crack bearing and moving surfaces (dynamic behavior). Can be used in conjunction with PENETRON® crystalline integral waterproofing system for combined protection.

RECOMMENDED FOR

SEAL COAT SF150 is designed to be used to deal with temperature variations and is appropriate for:

- Balconies and terraces exposed to open conditions or to be coated with ceramic tiles, marble, natural stone or roof tiles
- Concrete walls with medium, positive or negative, hydrostatic pressure
- Planters, tanks and water reservoirs
- Fountains
- Surfaces undergoing expansion and contraction

ADVANTAGES

- Easy mixing and application (by brush)
- UV stable
- Pre-measured mixing ratios
- No water permeability
- High elongation capacity
- Excellent elastic behavior
- Excellent flexibility
- Excellent bonding on properly prepared surface
- Water vapor permeability. The concrete is able to "breath"
- Retains its properties under extreme weather conditions
- Excellent resistance to freezing conditions up to – 2 °F (-19 °C)
- Resistance to expansion and contraction
- Excellent crack bridging properties between 1/64" and 5/64" (1 and 2 mm).
- Non toxic. No solvents

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® repair mortar. Dampen surface with clean water just prior to product application. In case of very porous substrates, prime the surface with a slurry coat of SEAL COAT SF150 after dampening.

Mixing: SEAL COAT SF150 is supplied in premeasured units. Slowly add Part B (Powder) 10 kg to Part A (Polymer) 10 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 SF150 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 12 hours, if the first coat is not damaged. Apply the second layer the next day, when the first layer is dry.

Coverage: SEAL COAT SF150 coverage is 1.4 kg/m^2 per mm coating. Do not exceed 1/64" (1 mm) per layer or 0.3 lb /ft2 (1.4 kg/m^2), as cracks are expected to form in its structure. Two layers 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 SF150 the total coating thickness will be at least 5/64"-1/8" (2-3 mm).

Curing: Protect the surface coated with SEAL COAT SF150 from rain and water until it is dry. Let cure for at least 14 days, before the surface is permanently covered with water.

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SPECIAL CONSIDERATIONS

DO NOT apply SEAL COAT SYSTEMS at temperatures below 40 ºF (4 ºC) or to a frozen substrate. This product is not recommended for use in expansion or construction joints.

DO NOT paint part of a wall at a time. The entire wall or section must be completed using consistent quantity of SEAL COAT, to ensure uniform color.

If the second layer is applied on the same day, it is expected to form bubbles, especially in applications that are exposed to sun.

Always use a freshly mixed batch of SEAL COAT SYSTEMS.

PACKAGING

SEAL COAT SF150 is supplied as a 20 kg kit, with Part A (Polymer) – 10 kg and Part B (Powder) – 10 kg. A larger pack size is available on request.

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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

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