PENETRON®
TOTAL CONCRETE PROTECTION

COMPLIES WITH:
✓ **AS4654.1-2012**
✓ **AS4858-2004**
✓ **AS_NZS4020**

SEAL COAT SF150

POLYMER-MODIFIED WATERPROOFING COATING WITH EXTREME ELONGATION & FLEXIBILITY

DESCRIPTION

SEAL COAT SF150 is a **CLASS 3** 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.

APPLICATIONS

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

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 -19°C
Resistance to expansion and contraction
Excellent crack bridging properties between (1 and 2 mm)
Non-toxic. Non-solvent

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/m². Do not exceed 1mm per layer or 1.4 kg/m², as cracks are expected to form in its structure. Two layers of 0.7kg/m² 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 SF150, the total coating thickness will be at least 2-3 mm. Coverage depends on the roughness of the substrate and the waterproofing demand.

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.

SEAL COAT SF150

SPECIAL CONSIDERATIONS

- → DO NOT apply SEAL COAT SYSTEMS at temperatures below 40 °F (4 °C) 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:

20-kg kit
Part A (Polymer) - 10 kg
Part B (Powder) - 10 kg

40-kg kit (Not Available is Australia)
Part A (Polymer) - 20 kg
Part B (Powder) - 20 kg

SAFE HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. Refer to SDS before handling this product.

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SEAL COAT

Essential characteristics	Performance
Linear shrinkage	NPD
Coefficient of thermal expansion	NPD
Cross-cut	NPD
Water vapour penetration	5 m ≤ sD ≤ 50 m (Class II)
Capillary Water Absorption and Penetration	w < 0.1 kg/m²h0,5
Thermal compatibility	NPD
Crack bridging properties	NPD
Adhesive Strength	≥ 0.8 N/mm²
Reaction to fire	NPD
Slip/skid resistance of a surface	NPD
Artificial weathering	NPD
Antistatic behaviour	NPD
Compatibility on wet concrete	NPD
Dangerous substances	Acc. section 5.4

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