

SWISSTEK AQUA SHIELD

2k Water proofer

FOR THE PERFECT FINISH

TECHNICAL DATA SHEET

DESCRIPTION

Swisstek Aqua Shield two component water proofer is a cutting- edge waterproofing solution, composed of a cementitious base with graded aggregates and specially formulated acrylic additives.

Swisstek Aqua shield will become flexible and seamless waterproof membrane and acts as an excellent water barrier to concrete and masonry surface.

Thoroughly tested for zero water seepage, Swisstek Aqua shield two component water proofer comes to you with assurance and trusted quality of the Lanka Walltiles Group.



Swisstek Aqua shield is a 5 (five) Kg package, consists with two component that named as PART A and PART B

PART A is the powder part and PART B is the liquid part.

When the two components are mixed, a blend with plastic consistency is obtained. It may applied by brush or roller on both horizontal and vertical surface at a thickness of approximately 2mm.

FEATURES

Prevent water penetration
Fluid consistency for easy application
Flexible and elastic that stand moderate movement of hair line cracks. Crack bridging up to 2mm
Excellent adhesion (bond strength) to concrete and masonry substrate (High Tensile strength)
Resistant to chloride ion diffusion
Compatible with ceramic tile adhesive
Non- corrosive

TYPICAL PERFORMANCE DATA

Tensile adhesion strength- in standard condition	: ≥ 1.0 N/mm ²
Tensile adhesion strength- in water immersion	: ≥ 1.0 N/mm ²
Water Impermeability Test-2.0 bar for 7 Days	: Pass
Crack bridging ability	: ≥ 2.0 mm

APPLICATION

Surface Preparation

Correct substrate preparation is critical for optimum performance.

New concrete and masonry substrate should be fully cured prior application.

Surface should be structurally sound, clean, and free from loose particles, oil, grease or any other contaminants

Cement laitance, loose particles, mould release agents, and other contaminants must be removed by wet grit blasting, high pressure water jetting or such other effective methods.

Fill surface irregularities such as blow holes, honey combs by using the suitable repair mortar to achieve a smooth and surface level.

Saturate the prepared substrate with clean water before applying Swisstek aqua shield.

Substrate should be reach a “Saturated Surface Dry”(SSD) condition(damp without standing water)

Mixing

Mechanical mixing is necessary.

Place approximately 75% of Part B of the pack in to a clean pail. Keeping the mixer running, and add Part A slowly. Mix for at least 3 minutes to get a lump-free homogeneous mix.

While continuing to mix, add all of the remainder of Part B if applying on a horizontal surface, or a part of it if applying on vertical surface till the required consistency is obtained

Application

It is extremely important that the area being treated is shaded from direct sunlight and wind to prevent rapid drying of the coating.

Use a masonry float, trowel or brush to apply the Aqua shield waterproofing coating. The first coat (0.8mm-1mm) should be applied in vertical direction to cover the entire area. The first coat should be dry for 4-6 hours. The second coat (0.8mm-1 mm) should be applied in a horizontal direction for better reinforcement. Using a fibre glass mesh is recommended when applying the water proofer materials in corners and edges.

Curing

Slow drying of Aqua shield water proofer membrane ensures homogeneous curing and high water proofing characteristics. It is recommended to apply the protective screed layer on the water proofed area.

Cleaning

Clean tools and equipment with water, before the waterproofing material hardens.

COVERGAE

The recommended coverage of Swisstek Aqua shield water proofer (5 Kg Pack) is 40 square feet per coat to obtain an approximate wet film thickness of 0.8mm

SHELF LIFE

Swisstek Aqua Shield 2K water proofer can be kept for 12 months from date of manufacture if stored in tightly sealed original packaging, in dry and cool enclosed area.

SAFETY ADVICES

If it contact with eyes, immediately flush eyes thoroughly with water.

Wear mask when mixing

Wear protective gloves and eye protection when applied

Manufactured and marketed By

Swisstek (Ceylon) PLC (An associate company of Lanka Tiles)

Factory complex, Belummahara, Imbulgoda, Sri Lanka.

Tel:0334944441/0334944442/0334930590 Fax:0332260335701371

Email: swisstek@lankatiles.com

