

EUCOSTICK SA

POLYESTER SURFACED SELF ADHESIVE WATERPROOFING MEMBRANE

DESCRIPTION

Eucostick SA is a polymer modified bitumen, self-adhesive waterproofing membranes, reinforced with a dimensionally stable, root resistant tough glass fibre carrier. **Eucostick SA** conforms to the requirements of BS 8102.

CHARACTERISTICS

- Excellent adhesion to vertical and horizontal surfaces.
- Provides protection against water and vapor.
- Excellent resistance to chlorides, sulphates, alkalis and acids.
- Good tear and puncture resistance.
- Self adhesive. Require peeling off the silicone film and applying on the surface
- Dimensionally stable

FIELDS OF APPLICATION

Eucostick SA is used for waterproofing and damp proofing of concrete structures. It can be used for both horizontal and vertical applications and for tanking below ground structures, subways and retaining walls.

The application temperature should be between 4°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the self adhesive waterproofing system is as follow :

APPLICATION INSTRUCTIONS

Surface Preparation : The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, protrusions, protrusions, structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.

Priming : Apply primer to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane. As the viscosity of the primer is low, it easily penetrates into the concrete pores which promotes the adhesion between the membrane and the concrete surface. In addition to that the primer also acts as a binder for the dust particles which gets accumulated on the concrete surface even after cleaning.

Alignment : Start the installation of all membrane plies from the low point or drains, so the flow of water is over or parallel to the plies, but never against the laps. All overlaps at the membrane seams shall be installed so as to have 'up' slope laps over 'down' slope laps. Begin membrane application by unrolling the roll of **Eucostick SA** membrane and aligning the side laps.

Application : Peel off the release film from the self adhesive side and start unrolling the membrane and press it to the surface. Smoothen the membrane from the center to the edges in order to drive out entrapped air with a wooden press. Furthermore, an iron roller shall be used for rolling on top of the applied membrane to ensure a proper and strong adhesion of the bitumen compound with the base surface. Side overlaps shall be minimum of 50mm on the selvedge and end overlaps 100mm.

Protection : The membrane shall be protected from damage due to ongoing site activities or from aggregates during backfilling by a tough, weather, warp and rot proof asphaltic board. Alternatively, in horizontal areas the membrane can also be protected by laying a cement sand screed (50mm).

TECHNICAL DATA

Typical Properties	Test Method	Unit	Value
Thickness	DIN EN 1849-1	mm	1.5
Tensile Strength	DIN EN 12311-1	N/5cm	250/180
Elongation	DIN EN 12311-1	%	1.5/1.5
Adhesion Strength	ASTM D 1000	N/mm	1.8/2.2
Crack Bridging Ability	ASTM C 836	mm	>1
Chemical Resistance	ASTM D 543	pH	2.5-11.5

HANDLING

Eucostick SA membranes are packed in loose corrugated boxes to avoid any damage during transit or during storage at sites. Care should be taken when storing the membranes at sites and should not be kept within close proximity of any sharp or protruding edges to avoid puncturing or damaging the membrane.

HEALTH & SAFETY

Eucostick SA contains a tacky bitumen compound and during application can adhere to human skin. Bitumen stains can be removed by using a cloth dipped.

STORAGE & SHELF LIFE

Eucostick SA membranes must be stored in a shaded area on wooden pallets neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight and UV. The membrane shall be protected from all sources of heat. The shelf life is 12 months if stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.