

COSTAR PRO SHIELD IV

Self Adhesive Bituminous Waterproofing Membrane

Description

Costar Pro Shield IV is a self-adhesive polymer modified bituminous, waterproofing sheet membrane, laminated onto a tough HDPE film on one side and a silicone release film on the other.

Characteristics

- Cold applied, self-adhesive and easy to apply
- Excellent adhesion to vertical and horizontal surfaces
- Excellent resistance to chlorides, sulphates, dilute alkalis and acids
- Good tear and puncture resistance
- Water and vapor proof

Areas of Use

Costar Pro Shield IV is used as waterproofing or damp proofing membrane intended for concrete protection. It is also used for horizontal and vertical application for tanking below ground structures, subways and retaining walls.

Application Instructions

- **Surface Preparation**
Adequate and detailed surface preparation is essential for durability of product after installation. Before application surface must be clean, dry and without contamination. The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5MPa.
- **Priming**
Apply Costar Solvent based 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. The primer also acts as a binder for the dust which gets accumulated on the surface even after cleaning.
- **Alignment**
Start the installation of all membrane plies from the low point or drains, so that 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 the 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 with a wooden press in order to remove any entrapped air. 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 a minimum of 50mm on the selvedge and end overlaps 100mm.

Protection

On horizontal areas the membrane can be protected by laying a cement sand screed (50mm).

Packaging

1m width x 10m length per roll

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Standards

Costar Pro Shield IV conforms to the requirements of BS 8102.

Handling

Costar Pro shield IV contains a tacky bitumen compound which can stick to human skin during application. Bitumen stains can be removed by using a cloth dipped in a suitable cleaner.

Storage and Shelf Life

Protect Costar Pro Shield 100 from all sources of heat. Do not stack pallets on top of each other. Costar Pro Shield IV should not be kept within close proximity of any sharp or protruding edges to avoid puncturing or damaging the membrane.

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.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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