

Asian Paints SmartCare Waterproofing Membrane

SBS Modified Polyester Sheet Reinforced Self Adhesive Bituminous Membrane (2 mm, 3.5mm)

PRODUCT DESCRIPTION

Asian Paints SmartCare Waterproofing Membrane is a SBS modified polyester sheet reinforced bituminous membrane for superior waterproofing. This membrane exhibits excellent tensile strength, tear strength, puncture resistance and dimensional stability. Self Adhesive of the membrane is covered with silicone release film for protection of the membrane.

USES

Waterproofing /damproofing membrane in horizontal and vertical applications for protection of various substrates like concrete, masonry, GI, aluminium, wood etc. in wide range of uses:

- > Accessible and non accessible medium to large roof slabs in domestic, commercial and industrial construction (Not to be left unprotected, need to be protected by cement screed)
- > Basements and raft slabs
- > Swimming Pools
- > Roof Gardens
- > Underground car parks
- > Bridges & Tunnels

CHARACTERISTICS/ ADVANTAGES

- > Excellent flexibility
- > Excellent water tightness if applied as per recommended system and application
- > High tensile strength, tear and puncture resistance
- > Cost effective and durable in comparison to conventional low end waterproofing systems
- > Good temperature resistance to cold and warm temperatures
- > Good resistance to ageing if applied as per the recommended system

PRODUCT DATA

FORM

APPEARANCE/ COLOURS

Black Colour, silicone release film for protection. Non Woven Hybrid (blend of glass fiber and polyester) fleece reinforcement.

PACKAGING

1.0 x 10 m roll (3.5mm), 1.0 x 20 m roll (2 mm)
Tolerance +/- 1%

STORAGE CONDITIONS/ SHELF-LIFE

The membranes must be vertically stacked and stored in a shaded area covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight and UV. The membranes be protected from all sources of heat and extreme temperatures. The shelf life is 5 years.

HANDLING PRECAUTIONS

The membrane is non-hazardous, non-flammable and therefore can be disposed of in any regular disposal areas. All membranes however should be disposed off only after wrapping with paper, plastic or cloth. In case of contact with human skin wash with any soft solvents. Seek medical assistance immediately in case of any allergy.

TECHNICAL DETAILS

CHEMICAL PROPERTIES

Chemical Base: SBS modified bituminous, polyester fleece reinforced.

MECHANICAL AND PHYSICAL PROPERTIES

Test Parameter	Standard (ASTM/EN)	2 mm	3.5 mm
Thickness, mm	ASTM D 5147	2 ± 0.1	3 ± 0.1
Unit weight, Kg/Sq.m	ASTM D 6164	2.617	3.207
Softening point, (°C)	ASTM D 36	110	100
% Elongation at break, Longitudinal	ASTM D 5147	50	50
Tensile strength Longitudinal, N/5 cm	ASTM D 5147	600	700
% Elongation at break, Transverse	ASTM D 5147	50	50
Tensile strength transverse, N/5 cm	ASTM D 5147	400	700
Low Temp. Flexibility, °C	ASTM D 5147	Pass at -18	Pass at -18
Tear strength Longitudinal, N	ASTM D 4073	311	700
Tear strength Transverse, N	ASTM D 4073	120	700

APPLICATION CONDITIONS

SUBSTRATE TEMPERATURE	+4°C min. / +45°C max
AMBIENT TEMPERATURE	+4°C min. / +45°C max

APPLICATION DETAILS

SUBSTRATE QUALITY AND PREPARATION	<ul style="list-style-type: none"> > Inspect the surface conditions > The concrete surface should be levelled, tough and should not have hollow areas or pot holes > Check hollowness by hammering and repair such areas as well as pot holes using polymer modified cement sand mortar > Allow to cure for at least 72 hours before application of membrane > Clean the surface so that it is free from loose dust, particles, oil etc by brooming or vacuum cleaner > Apply bitumen based primer as per recommended coverage and allow it to dry till tack free (about 6-8 hours)
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APPLICATION METHOD

- > Unroll the membrane and align with proper markings all over area. Re-roll the roll into its original form so that alignment is not disturbed
- > 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 the edges by pressing in order to remove entrapped air
- > Keep overlap margin of minimum 100 mm between two adjoining membranes
- > Use an iron roller against the applied membrane to ensure a proper and strong bonding with the primed substrate
- > For side overlaps a minimum of 50mm and for the end overlaps 100mm should be ensured
- > The applied membrane, must be finished with a coating of aluminum paint for non foot trafficable area. For foot trafficable area, overlay with concrete screed mortar

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet.

PRECAUTIONS

Do not apply during rains or extreme temperatures.
 Avoid abuses which may lead to puncturing of membrane.
 Ensure that the product is applied at least 6 inches inside the drain pipe.
 Apply parapet to parapet to envelope the entire building for long term performance.

SAFETY FEATURES

Kindly refer to the MSDS for Asian Paints SmartCare Waterproofing Membrane which gives detailed information on safety measures while handling, which is available on request.
 Store in a cool, dry place.
 Keep out of reach of children and away from eatables.
 May be harmful if swallowed. In case of ingestion seek immediate medical attention.
 Eye protection during application is recommended.
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 In case of skin contact soap wash with plenty of water. Get medical attention if irritation develops or persists.
 It is recommended to wear suitable nose pad during torching application and surface preparation.
 Dispose as per recommendation mentioned above.
 No added Lead, Mercury or Chromium compounds.