

APCON SHIELD™



Self Adhesive Bituminous Membrane - SA

An ISO 9001:2015 Certified Company

DESCRIPTION

APCON SHIELD - SA / Plain is a self adhesive cold applied water proofing membrane consists of SBS modified Bitumen compound covered on top with high density HMHDPE film of 100 microns, which acts a reinforcement and a protection layer. The underside is protected by a easily removable silicon film.

USES

- ★ Waterproofing of concrete, masonry and wood surfaces.
- ★ Waterproofing of vertical foundation walls, split slab concrete construction, both above and below ground.
- ★ Waterproofing of wet areas, bathrooms, kitchens etc.
- ★ Waterproofing of partially burried walls, cold pipes, tanks and irrigation ditches.
- ★ Waterproofing of retaining walls, substructure, waterproofing basement etc.
- ★ Waterproofing of parking area, Balconies, Terraces.
- ★ Waterproofing in general at places where the use of fire flame is not possible.

PROPERTIES

- ★ Very easy application, does not required heat or chemical bonding agent.
- ★ Easy bonding to substance
- ★ Permanent flexibility and protection
- ★ No special tools needed for application
- ★ Effective water and vapour barrier.
- ★ Overlaps carried out by simple contact and pressure
- ★ Safety in application Minimum fire risk as no torching is used
- ★ Strong resistance to chemicals like chloride, sulphate, alkalies and acids

APACONSHIELD - S.A ALUMINIUM

This membrane composition is similar except an embossed 40 microns aluminium foil on the upper side which acts as a reinforcement and a protection layer. The under side is protected by silicon film.

USES

- ★ It is a multi purpose water proofing membrane which is used for roofs, residential porches, farm buildings roofs and gutter path work. It can also be used as flashing on upstands.

PROPERTIES

- ★ Excellent solar reflection
- ★ Good resistance to water and vapour
- ★ Excellent adhesion on vertical and horizontal surfaces
- ★ Good tear and puncture resistance

APPLICATION

- ★ Surface must be clean and dry and free of dust and oily materials
- ★ Apply primer on the substrate for better bonding.
- ★ Peel back the release film not more than 30 cm at a time.
- ★ Press down the membrane, working from center to the outer edges in order to expel any entrapped air.

PROTECTION OF MEMBRANE AGAINST BACK FILL

- ★ Membrane should always be protected to avoid damage caused by other trades, back filling equipment and material. The use is highly recommended especially on vertical surface of Apcon Shield-SA.
- ★ Protecto Board shall be applied or spot bonded to vertical and horizontal surface following membrane installation.
- ★ Screeds, topping and tiles should be laid as soon as possible, preferably the same day the membranes are applied, under no circumstances should the membranes be left exposed for longer periods.

TECHNICAL DATA

PROPERTIES	UNIT	TEST METHOD	VALUES		
			PLAIN	PLAIN	ALUMINIUM
Thickness	MM	EN-1849-1	1.5	2	1.5
Softening Point	°C	ASTM D 36	110	110	110
Penetration at 25°C	dmm	ASTM D 5	70	70	70
Cold Flexibility	°C	EN-1109	-20	-20	-20
Tensile Strength		ASTM D 5147			
Longitudinal	N/5 cm		200	200	
Transverse	N/5 cm		200	200	
Elongation	%	ASTM D 5147			
Longitudinal	%	ASTM D 5147			
Transverse	%	ASTM D 5147			
Heat Resistance	°C	EN-1110	Does not sag at 90°C	Does not sag at 90°C	Does not sag at 90°C
Water Absorption (Max)	%	ASTM D 5147	0.1	0.1	0.1
Adhesive prime surface	N/mm	ASTM D 1000	2.2 N/mm	2.2 N/mm	2.2 N/mm
Adhesive primer sufrage	N/mm	ASTM D 1000	3.4 N/mm	3.4 N/mm	3.4 N/mm

This data is subject to change / modify time to time due to continuous improvement of the products. Test results are given as per the tests conducted in the lab. The test results may vary due to climatic conditions.

TROPICAL COATINGS INTERNATIONAL PVT. LTD.

Regd. Off. : Plot No. D-1, B-Block, Autonagar, Visakhapatnam - 530 012, Andhra Pradesh, INDIA.

Email : info@tropicalcoatings.in

Website : www.tropicalcoatings.in