

MONNELI COLBETOMO SSA

Self Adhesive Waterproofing Membrane

Product Description

COLBETOMO SSA is a self-adhesive, cold applied SBS modified waterproofing membrane, with a Fiberglass carrier. It has a release film on the under layer while the upper surface is covered with any of the following surface finish material:

- Polyethylene film 8
- Polypropylene film 25
- Cross Laminated Polyethylene 100
- Aluminum film

Uses

COLBETOMO SSA can be used as follows:

- Bathroom, kitchens and wet areas waterproofing
- Base layer in a double layer roofing/ waterproofing system applications
- Waterproofing of balconies

Advantages

- Good elongation property
- Good tear and puncture resistance
- Chemical resistant
- Durable
- Self adhesive, no torching required hence eliminates fire hazards
- Manufactured to suit Middle East conditions.

Instructions for Use

Surface Preparation

The surface of the concrete shall be sound, clean and uncontaminated, free from dust, nails or any deleterious matter.

Priming

A coat of ASFABIT must be applied to the concrete surface and must be allowed to dry completely primer to completely cure (2- 6 hours), and apply membrane no later than 24 hrs from priming. Reprime areas if contaminated by dust.

Fixing Membrane

Peel back the release film no more than 30 cm at a time, with adhesive facing primed surface. Press down the membrane against the substrate with a rubber/ wooden starting from center to side edges in order to expel any entrapped air.

For vertical application, installation shall be in approximately 2.5 meters manageable lengths.

Overlaps

Membranes are produced with selvage to facilitate bitumen to bitumen strong lap joint. Side laps shall be 7-10cm, and end laps 15cm min. After removing selvage release film, press down firmly against side and end laps, with the help of a light roller.

Protection against backfill

Membrane should always be protected to avoid damage caused by other trades, backfill material, tools, or earth moving equipment. BETOBOARDI asphalt impregnated protection board shall be applied, spot bonded, to vertical and horizontal surfaces following membrane installation.

Horizontal surfaces can receive protective screeds, or concrete instead of the protection board.

Recommendation

- It is recommended to use protective gloves during installation.

Technical Data

PROPERTIES		TEST METHOD	COLBETOMO SSA
Thickness (mm)		EN-1849-1	1.5 to 3
Width (m)		EN-1848-1	1
Length (m)		EN-1848-1	20
Straightness (mm)		EN-1848-1	±10
Softening point (Ring and Ball) min		ASTM D-36	70
Elongation at break	Longitudinal (%)	EN-12311-1	2
	Transverse (%)	EN-12311-1	2
Tensile strength	Longitudinal (N/50mm)	EN-12311-1	400
	Transverse (N/50mm)	EN-12311-1	300
Tensile tear strength	Longitudinal (N)	ASTM D-5147, D4073	420
	Transverse (N)	ASTMD-5147,D4073	275
Tearing strength	Longitudinal (N) (Nail Shank)	EN-12310-1	100
	Transverse (N) (Nail Shank)	EN-12310-1	100
Impact resistance (mm)		EN 12691 Method B	200
Resistance static to loading (kg)		EN 12730 Method A	7
Flow resistance at elevated temperature (°C)		EN-1110	60
Flexibility at low temperature (°C)		EN-1109	-25 to -20
Dimensional stability (%)		EN-1107-1	±0.1
Water impermeability	Low pressure (60 KPa)	EN-1928 Method A	Passed
	High pressure (KPa)	EN-1928 Method B	100
Water absorption (%)		ASTM D-5147	<1
Vapour permeability (μ)		EN 1931	-
Shear resistance of joints	Longitudinal (N/50mm)	EN-12317-1	400
	Transverse (N/50mm)	EN-12317-1	300
Resistance to root penetration		EN 13948	NPD

Packaging

COLBETOMO SSA is supplied in rolls.

Available in 1.5mm, 2mm and 3mm

Roll Dimension : 1m x 20m

Storage

COLBETOMO SSA must be stored in a well ventilated, covered storage area away from any source of direct heat. Rolls must be kept in an upright position at all times. Shelf life is 12 months from the date of production if stored properly in original unopened packing.

Health & Safety

COLBETOMO SSA have no health hazard when used with our standard application recommendations.

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COLBETOMO SSA
Technical Data Sheet
Edition: January 2020
Revision: 02

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