

BITUROLL S-4160

SBS MODIFIED BITUMINIOUS MEMBRANE



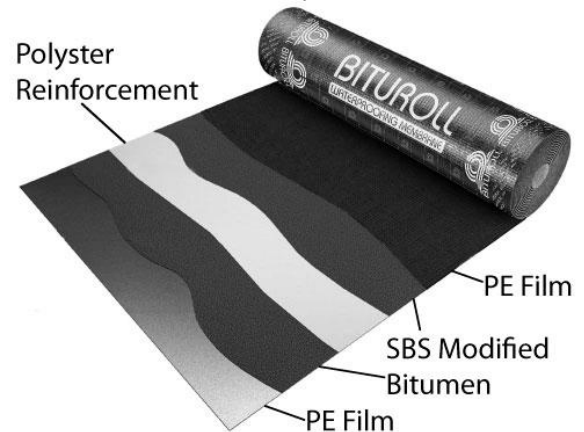
BITUROLL membranes are SBS modified bitumen waterproofing membranes designed to provide sub-structure concrete surfaces with perfect waterproofing protection. **BITUROLL** membranes are made by saturating and coating a reinforcement core with a homogenous thermoplastic blend of SBS (Styrene-Butadiene-Styrene), distilled bitumen and stabilizers. The elastomeric compound is carefully produced under controlled conditions to ensure its thermal stability at atmospheric temperatures and flexibility at very low temperatures. **BITUROLL** membranes are impermeable to water, very flexible and easy to work around contours and protrusions.

CHARACTERISTICS

- Excellent resistance to positive water & vapour pressure
- Good heat resistance
- Good dimensional stability under tension
- Can accommodate structural movements because of excellent flexibility
- High puncture and fatigue resistance
- High tensile and tear strengths
- Resistant to water borne chemicals
- Chlorine free

FIELDS OF APPLICATION

- inverted roofs & parapets
- terraces, balconies & patios
- sunken slabs, swimming pools & water retaining structures (externally)
- bridges & tunnels
- airport aprons & ramp areas
- concrete foundations & footings.



PROPERTIES	LIMITS	TESTING METHOD
Reinforcement Core	160 gr./m ² Polyester	
Nominal thickness of membrane(mm)	4	ASTM D 5147
Tensile Strength N/5cm	Longitudinal	500
	Transverse	350
Elongation %	Longitudinal	30
	Transverse	45
Tear Strength (N) (Notch Method)	Longitudinal	500
	Transverse	350
Puncture resistance (N)	>450	ASTM D 5147
Resistance to Hydrostatic pressure	>4 bar(>70M)	ASTM D 5385
Flexibility at low temperature	- 5° C	ASTM D 6223
Softening Point *	>115° C	ASTM D 36
Penetration @25° C *	25 mm	ASTM D 5
Heat resistance @ 100°C	No flow	ASTM D 6223
Water absorption @ 24 hrs.	< 0.2 %	ASTM D570

- All values given are subject to 5-20% tolerance
- confirms to the requirements of ASTM D 5147,UEAtc2001and ISO 9001.

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STORAGE & SHELF LIFE

BITUROLL must be kept up right at all times, in a covered well-ventilated storage area, away from sources of direct heat. If ambient temperatures at storage site fall below 150°C, the rolls should be exposed to warmer temperatures of 150°C to 400°C for periods of upto 2 hours prior to use to facilitate unrolling of the membranes. If stacking is necessary, ensure that rigid sheet of plywood is placed between the pallets. Do not stack more than 2 high. **BITUROLL** membrane has a shelf life of 12 months from the date of production, if stored in a cool, dry store in original unopened packing.

SURFACE FINISH AND SIZE OF ROLL

The top surface of the membrane is covered with a thin layer of PE film or fine sand. The membranes are produced in thickness of 2, 3, 4 & 5 mm and in a standard length of 10 meters and 1 meter width.

REINFORCEMENT

A variety of reinforcement cores are used in the production of the **BITUROLL** range, these include 150gr/m², 160 gr/m², 180 gr/m², 200 gr/m²& 270 gr/m² spun bond polyester, fiberglass tissue and a combination of the two.

SUPPLY

BITUROLL	3mm	1m x 10m, Wt-40Kg#
NURPRIME		20L Pail / 200L Drum

Approximate weight

HEALTH & SAFETY

BITUROLL membranes contain a tacky bitumen compound which when applied can stick to human skin. Such stains can be removed by using a cloth dipped in a suitable cleaner.

SAFETY PRECAUTIONS

Any naked flame should be kept well away from the gas cylinders. When ignited the torch should be watched at all times. The torch should not be rested on finished

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