

SORCONS[®]

Bituminous Membrane





Specifications

Bituminous membrane is typically made of modified bitumen, which is a blend of asphalt/bitumen and polymers.

The thickness of bituminous membrane can range from 1.5 mm to 4 mm depending on the intended use and required performance.

Bituminous membranes are reinforced with materials such as fiberglass or polyester. The reinforcement enhances the strength and dimensional stability of the membrane.

Bituminous membranes are designed to provide excellent waterproofing properties. They should have a high resistance to water penetration and be capable of forming a durable barrier against moisture.

Bituminous membranes are sufficient flexibility to accommodate structural movements and temperature variations without cracking or delaminating.



Where to be used?

Roofing: For flat and low-sloped roofs as a waterproofing layer. They provide an effective barrier against water infiltration and protect the underlying structure from moisture damage.

Waterproofing Basements: For basements and below-grade structures. They help prevent water seepage into the foundation walls and floors, protecting the interior space from moisture related issues.

Green Roofs: In green roofs, which are vegetated roofing systems. They ensure that water does not penetrate the building and cause damage while supporting the growth of plants.

Bridge Decks: To provide waterproofing and protection against chloride ingress. They help extend the service life of the bridge structure and reduce maintenance needs.

Plaza Decks and Podiums: In plaza decks and podiums, which are elevated outdoor spaces typically found in commercial and residential buildings. The membranes provide waterproofing and protect the underlying structure from water damage.

Tanking: In tanking applications, where they provide waterproofing for underground tanks, water reservoirs, and other containment structures.

Where to be used?

Substructures: In various substructure applications, such as retaining walls, foundations, and crawl spaces, to prevent water infiltration and protect the structural elements.

Landscaping: In landscaping projects to line ponds, water features, and other areas where waterproofing is required.

Highway and Infrastructure Projects: In highway and infrastructure projects for waterproofing bridge abutments, expansion joints, and other critical areas to prevent water damage and ensure the longevity of the structures.

How to be used?

Surface Preparation: The substrate surface should be clean, dry, and free from any debris or contaminants. It may require priming or leveling, depending on the specific membrane and substrate.

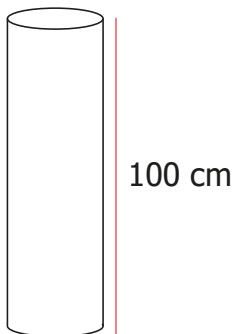
Membrane Application: It is fully adhered to the surface with the torch flame, leaving a margin of 10 cm at the joints and 15 cm at the ends of the roll.

Technical Data

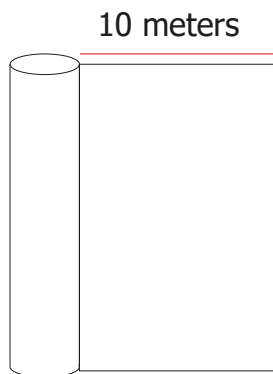
Specification	SMF 300	SMP 300	SMP 400
Reinforcement	Fiberglass	Polyester	Polyester
Modified	APP	APP	APP
Thickness	3 mm (+-0,2)	3 mm (+-0,2)	4 mm (+-0,2)
Flow Resistance	>120 C°	>120 C°	>120 C°
Cold Belding	-10 C°	-10 C°	-10 C°
Tensile Strenght	400/300 (N/5 cm)	800/600 (N/5 cm)	800/600 (N/5 cm)
Elongation at Break	2/2 %	35/35 %	35/35 %
Upper Surface Coating	PE	PE/ Sand	PE/ Sand
Sub Surface Coating	PE	PE	PE
Roll Size (W X L)	1 X 10 m	1 X 10 m	1 X 10 m
Roll Weight	38 kg	38 kg	44 kg



Roll Height



Roll Lenght



Shipment

HS CODE:
6807.10.00.00.00

Sampling is available for this product. Contact with sales@sorcons.com to ask sample.

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