Canstick Barrier 15

Description

Canstick Barrier 15 is a self-adhesive rubberized asphalt/polyethylene waterproofing membrane for various application such as roofing underlayment, grade plaza, parking decks or below grade basements. As a roofing underlayment, it performs under the most severe climatic conditions to protect against wind-driven rain beneath standing seam metal roofing panels or shingles. As an underground waterproofing membrane, it has been specifically designed to protect the substrate from water, moisture and gas and can withstand underground hydrostatic pressure.

Canstick Barrier 15 combines a robust, flexible, high performance, cross laminated, HDPE carrier film with a tacky, self-adhesive rubberized asphalt compound.

Benefits

- Self-adhesive overlap to provide continuous protection

- Easy cold-applied application with strong bonding to roof deck or concrete substrate without the need of heat or special adhesive

- Double protection as rubberized asphalt and polyethylene are combined to form two waterproofing barriers providing maximum protection.

- Rubberized asphalt layer seals around roofing nails, resisting leakage caused by water back-up behind ice dams, or from wind-driven

- Chemically resistant membrane to resist most soil conditions

- Resistant to underground hydrostatic pressure

- Flexible – Elongation in excess of 300% to compensate settlement and shrinkage movement

- Factory-made sheet allows for constant quality

- can be used to minimize vapor transmission through roofing system.

Membrane Installation

Surfaces must be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces.

Consistent with good waterproofing practice, install the membrane such that all laps shed water. Always work from the low point to the high point.

Must be installed with minimum 3" (76 mm) side laps and 6" (152 mm) end laps.

All substrates except metal decks must be primed prior to installation. Do not apply any primer onto Canstick Barrier 15 membrane.

Press the membrane firmly to the substrate with hand roller.

Installation Precautions

- Apply in fair weather when the air, roof deck, and membrane are at temperatures of 5°C or higher.

- not suitable for hot asphalt application to the top surface.

- do not install Canstick Barrier 15 when it is raining, snowing, or on wet/humid surfaces.

- not suitable for use as a temporary roof under ponding water conditions.

- can be installed on plywood, gypsum or concrete board as well as asphalt, metal or concrete

Packaging and Dimensions

SKU	CSB15
Roll Length	20 m
Roll Width	1.0 m

Storage

• do not stack more than two (2) pallets high.

• all material should be stored out of the weather in a clean, dry area.

• if the material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet,

• stored on end and covered from the weather with a light-coloured opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.

• products need to be protected from open flame or other ignition sources during storage, shipping and installation. Product should always be properly installed and stored

Shelf life

Shelf life of one year (12 months) can be expected when kept dry and stored in packaging between 16 °C and 27 °C.

Physical Properties

Properties		Standard	Technical value
Thickness		-	1.5 mm
Elongation at break, %		ASTM D5147	≥ 350
			≥ 350
Max tension, N/50mm		ASTM D5147	≥ 300
			≥ 300
Heat resistance		ASTM D5147	Pass at 70°C, 2h
Watertightness, 0.3MPa, 120min		EN 1928:2000	Pass
Water Vapor Permeance, max		ASTM E 96 B	Pass
Low temperature flexibility		EN 1109:1999	-5°C, no cracking
Peel strength, N/mm	Lap Adhesion	ASTM D1876	≥ 1.75
	Adhesion to steel plates	ASTM D903	≥ 2.2
	Adhesion to concrete	ASTM D1000	≥ 2.0
Tearing strength, N		ASTM D624	≥ 35
			≥ 35

All technical values declared in this datasheet are based on laboratory tests. Measured data may varies due to circumstances.