

# COLPHENE BSW H



## Description:

**COLPHENE BSW H** is a high-performance waterproofing membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is sanded, while the underface is covered with a thermofusible plastic film. **COLPHENE BSW H** is designed for horizontal blindside waterproofing applications.

## Application:

HEAT-WELDED

**COLPHENE BSW H** membrane is installed loose laid on the concrete work slab or on a protection board over prepared and well compacted soil. To prevent overly thick membranes, stagger the end laps by a minimum of 300 mm. Side lap joints must be a minimum of 100 mm and end lap joints must be a minimum of 150 mm. Membrane overlaps are sealed, by heat welding, with a propane torch or using an electric hot-air welder. All angle changes (inside and outside corners) and other details must be reinforced by heat-welding an additional 300 mm piece of **COLPHENE BSW H** centred on the angle.

## DUO SELVEDGE

Over the entire width of **DUO SELVAGE**, 50% of the surface is covered with exposed sticky bitumen. The remaining surface of the selvedge (50%) is covered by a thermofusible plastic film to seal overlap by heat-welding with a propane torch or with the **SOPRAMATIC** automatic hot-air welder.

UV exposure: up to 60 days.

## Storage & Handling:

Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after the removal of the delivery packaging.

## Packaging:

Specifications	COLPHENE BSW H
Thickness	3.5 mm
Reinforcement	Non-woven polyester
Dimensions	1 m x 10 m
Weight	4.3 kg/m <sup>2</sup>
Selvage width	100 mm
Surface	Sanded
Underface	Thermofusible plastic film
Rolls per skid	25

## Properties:

Properties	Standards	COLPHENE BSW H
Tensile strength at peak load, MD/XD	ASTM D5147	17 / 11.5 kN/m
Elongation at break, MD/XD	ASTM D5147	60 / 65 %
Tear strength, MD/XD	ASTM D5147	600 N / 400 N
Low temperature flexibility	ASTM D5147	Unaffected at - 20°C
Puncture resistance	ASTM E154	1050 N
Water vapour permeance	ASTM E96 (Method B)	<2.5 ng / Pa*s*m <sup>2</sup>
Water absorption	ASTM D570 @ 24 hours	<0.5 %
Adhesion to poured concrete, 22 °C	ASTM D903 modified (Peeled at 50 mm/min)	3400 N/m
Resistance to hydrostatic head	ASTM D5385	>110 m
Lateral water migration	ASTM D5385 modified	> 100 m



Equus Industries Ltd  
PO Box 601, Blenheim  
Phone: 03 578 0214  
Email: [admin@equus.nz](mailto:admin@equus.nz)  
Website: [www.equus.nz](http://www.equus.nz)  
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