



VITCON 14001 MEMB

Polymer modified Bitumen Membrane

DESCRIPTION

VITCON 14001 MEMB is a pre-fabricated polymer modified bitumen membrane designed for economy and easy applications. **VITCON 14001 MEMB** has two different types- one is reinforced with non-woven polyester fabric names as **VITCON 14001 MEMB "P"** and second one is reinforced with a glasfiber mat named as **VITCON 14001 MEMB "G"**. The reinforcement is impregnated and coated on both sides with polymer-modified bitumen.

USES

VITCON 14001 MEMB is ideal for a wide range of waterproofing applications including roofs, basements, tunnels, car parks and reservoirs.

ADVANTAGES

- Total impermeability.
- Good bondability & seam integrity.
- Stability at high temperature.
- Good flexibility.
- Compatible with all normal roofing and building components.

APPLICATION

VITCON 14001 MEMB is installed by torch welding method, loose-laid or fully bonded to substrate. When loose-laid, only laps are bonded together. Peripheries and protrusions are sealed according to specifications.



COVERAGE (Approx.)

- ✓ Flat Areas : 1.15 m² / m² per layer with 10 cm side laps and 15 cm end laps.
- ✓ Base Flashing : 100 x 35 cm with 15 cm end laps ; 0.40 m² per Linear M.

Coverage may vary as per site requirement with an average wastage factor of 3 to 5%.

TORCHING GUIDELINES

The underside of the membrane should be torched just enough to superficially melt the bitumen. Excessive heating may damage the reinforcement.

Overlaps should be re-heated from the top and resealed with a trowel to ensure seam integrity.

GENERAL DATA

- ✓ Nominal Roll Length : 10 M
- ✓ Nominal Roll Width : 1 M
- ✓ Nominal Thickness : 3,4,5 mm
- ✓ Reinforcement : Non-woven polyester / Glasfibre mat

FINISHES

VITCON 14001 MEMB is available in two basic finishes:

- Black smooth finish with polyethylene surfaces for covered applications.
- Granule surfacing for exposed applications.

INSTALLATION TOOLS

Gas torch, Knife, Trowel, Measuring tape, Marking string, Gloves.



TECHNICAL SPECIFICATIONS

Property	Typical Value		Test Method
	14001MEMB - P	14001MEMB - G	
Reinforcement	Polyester	Glass fiber	
Softening point °C	150	150	ASTM D 36
Penetration @ 25°C dmm	20	20	ASTM D 5
Tensile strength, L/T, N/5 CM @ 23°C	650 / 450	350 / 300	ASTM D 5147
Elongation, L/T, % @ 23°C	40 / 45	3.0 / 3.3	ASTM D 5147
Tear strength, L/T, N	300 / 250	60 / 80	ASTM D 5147
Heat resistance, @ 80°C	No flow	No flow	ASTM D 5147
Cold flexibility, °C	0-(-2)	0-(-2)	ASTM D 5147
Lap joint strength L/T, N/5 CM @ 23°C	650 / 450	350 / 300	CGSB-37-GP-56M

PACKAGING

VITCON 14001 MEMB is available in roll packs of size 1m*10m.

SAFETY

VITCON 14001 MEMB is non-toxic and non-flammable. However, safety precautions should be taken during torch applications.