

## SUPER VINYL

### SOFT POLYVINYL CHLORIDE PVC FLEXIBLE SYNTHETIC MEMBRANE

#### PRODUCT DESCRIPTION

**SUPER VINYL** PVC Membrane (PC 1162 ) is an unreinforced, flexible, synthetic waterproofing membrane which acts as a fluid barrier system in buildings and civil engineering structures. It is particularly suited for below ground applications like waterproofing of tunnels and basement.

#### STANDARD

**SUPER VINYL** PVC Membrane conforms to standard specification as per EN 13491

PRODUCT PROPERTIES	SUPER VINYL PC 1162	SUPER VINYL PC 1173	UNIT	STANDARD
Chemical Base	Polyvinyl Chloride (PVC)			
Thickness	2	1.5	mm	EN 1849- 2
Weight	2.6	1.95	kg/m <sup>2</sup>	EN 1849- 2
Tensile Strength (L/T )	20/17		N/mm <sup>2</sup>	ISO R 527-3, ASTM D 5147
Elongation, L/T	300/280		%	ISO R 527-3, ASTM D 5147
Tear Strength	42		kN/m	ISO 34, ASTM D 5147
Water Absorption	1		%	EN ISO 62
Static Puncture	2 ± 0.25		kN	EN ISO 12236
Puncture Resistance	1300		N	ASTM E 154
Burst Strength	≤ 50		%	EN 14151D- 1
Impact Resistance	No leakage at 500 mm			EN 1107- 2
Low Temperature Flexibility	Upto -20		°C	EN 495- 5
Hydrostatic Pressure Resistance	No leakage upto 5 bar/72 hrs			EN 1928 (B)
Resistance to Perforation by Roots	No Perforation			CEN TS 14416
Resistance to Oxidation	≤ 25		%	EN 14575
Resistance to Fire	Class E			EN ISO 11925- 2

#### ADVANTAGES

- **SUPER VINYL** PVC Membrane are made exclusively from virgin resins
- Highly resistance to permanent pressure, root penetration & puncture
- Highly resistance to low temperature & stray currents
- Excellent mechanical properties
- Welded joints for maximum water tightness, easily welded using hot air
- Explosion resistance

#### AREA OF APPLICATION

- Building Foundation & Basement Waterproofing
- Waterproofing of underground galleries
- Subway Tunnels
- Drill & blast tunnels waterproofing
- Underground structures waterproofing
- Reservoirs lakes & canal waterproofing

## APPLICATION METHODOLOGY

Clean the surface & make it smooth & free from any deleterious material. Use **SUPREME GEOTEXTILE** as separation layer. Fix in place using steel nails or expansion bolts with washers of the same material as **SUPER VINYL PVC Membranes**. The washers can be fixed to the membranes using hot air welding, position the pads transversely **SUPER VINYL PVC Membranes** should be joined using double hot air welding, leaving a test channel between them. Adjust the parameter for speed and temperature according to the ambient condition and surface of the membrane before welding. **SUPER VINYL PVC Membranes** layer are overlapped to achieve a minimum weld of 50mm. Hot air welding can be either hand applied or by means of automatic machines.

## PACKAGING

**SUPER VINYL PVC Membranes** available as rolls sized 2.1m x 20m

## STORAGE

Store in original packaging in a dry place and protected from UV radiation. Store horizontally.

## DISCLAIMER

The technical data provided here is the average result of the tests carried out in our in-house **SUPREME BITUCHEM** laboratory on **SUPER VINYL PVC Membranes**. **SUPREME BITUCHEM** reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data and is to the best of knowledge that it is accurate and true. All recommendations are made in good faith. **SUPER VINYL PVC Membrane** is warranted to be free from manufacturing defects for a period of 10 years. We can accept no responsibility and no warranty is implied with regard to any of the recommendations made in the technical data sheets since the condition of actual use and the labour involved are beyond our control. **SUPER VINYL PVC Membrane** is not affected by chlorides, sulphate and phosphates as well as dilute acids found in ground water.

## Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
- ▶ Admixtures, Sealants and Grouts
- ▶ Thermal Insulation Products
- ▶ Complete Range of Bituminous Products

### REGD. OFFICE :

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I Bihar : 07875 588 559  
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