



CONSOL PVC MEMBRANE

WATERPROOFING

PVC Root Penetration and UV Resistant Waterproofing Membrane

DESCRIPTION

CONSOL PVC MEMBRANE WATERPROOFING is a type of new high macromolecular waterproofing membrane by adding plasticizer, filler, antioxidant, ultraviolet light absorber and other auxiliaries with polyvinyl chloride resin as raw material. Cold-adhesive and hot-welding is both available when attending to the joint of membrane.

RECOMMENDED FOR

- Green roofs such as industrial and civil buildings
- Public building
- Garage roof
- Subway station rooms
- Comprehensive pipe corridors
- and other buildings

BENEFITS

- UV resistant polyester scrim reinforced membrane with lacquer
- High tensile strength, large ductility, strong applicability for contraction or deformation of the substrate
- Large width of material, high construction efficiency, small product consumption
- Good diffusion of water vapour, easy discharge of condensate, easy discharge of moisture left in the substrate
- High tensile strength and excellent mechanical properties
- Root penetration resistance, chemical corrosion resistance and aging resistance
- Good flexibility at low temperature even at -30 °C and heat resistance
- Suitable for mechanically fastened exposed roof system
- No liquid flow at high temperature
- Cold construction and good safety performance

PRODUCT DATA

Type

Polyester reinforce

Colour

White, Grey

Packaging

Roll (2m x 20 m), 1.2 mm thickness

Roll (2m x 20 m), 1.5 mm thickness

TECHNICAL DATA

Tensile Performance

Maximum Tension

≥ 250 N/cm

Tensile Strength

≥ 10 Mpa

Elongation Rate at Maximum Strength

≥ 15%

Size Change Rate due to Thermal Treatment

≥ 0.5%

Low Temperature Bending Performance

No crack at -25 °C

Peeling Strength of Joints

≥ 3.0 N/mm

Thermal Aging Treatment

Retention Rate at Maximum Tension

≥ 85%

Elongation Retention Rate at Maximum Tension

≥ 80%

Low Temperature Bending Performance

No crack at -20 °C



Chemical Resistance

Retention Rate at Maximum Tension

≥ 85 %

Elongation Retention Rate at Maximum Tension

≥ 80%

Low Temperature Bending Performance

No crack at -20 °C

Artificial Weathering

Time

≥ 1500 h

Retention Rate at Maximum Tension

≥ 85 %

Elongation Retention Rate at Maximum Tension

≥ 80%

Low Temperature Bending Performance

No crack at -20 °C

HANDLING PRECAUTIONS

Widely used for waterproof and anti-seepage, caverns, tunnels, subway, bridge, water conservancy dam basement, landfills, sewage treatment pool, municipal construction.