

ShaliPVC

Geomembrane for Tunnels / Basement and Protected Roof



STP Limited

Description

ShaliPVC is a non-reinforced geomembrane, opaque, polyvinyl chloride membrane suitable for tunnels / basement and protected roof with signal layer (twin color). **ShaliPVC** is not resistant to UV.

Characteristics

Tensile Strength, N/mm ²		Elongation, %	
• Longitudinal	≥ 16	• Longitudinal	≥ 275
• Transverse	≥ 16	• Transverse	≥ 275
Puncture Resistance		Root Resistance	Fulfilled
• Static Indentation	L – 2	Cold Resistance, (-)20 °C	No crack
• Dynamic Indentation	I – 2	Oxidation Resistance	Fulfilled
Resistant under water pressure	Waterproof at 6 bar / 72 hr	Tear Strength N/mm	≥ 80
		Oxidation Resistance	Fulfilled

Application

For Waterproofing of Tunnel / Basement and Protected Roof.

Advantages

- Easy to handle , install and repair.
- Excellent Impermeability to water ingress.
- Efficient hot air welded seam.
- Very High Level of water tightness.

Application Methodology

- Remove all loose gravels, dirt, oil, grease and other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- PCC / Cementitious coving of 75 mm radius shall be provided at all junctions between vertical and horizontal faces.
- Lay ShaliGeo text loosely as a base layer with an overlap of 50 mm.
- Lay **ShaliPVC** of desired thickness loosely laid on Horizontal Surface over Geotextile and with the help of Roundels on Vertical surface.
- Provide overlap joints of 75 mm in both longitudinal and transverse direction of the **ShaliPVC** and sealed properly with hot air welding only.
- We recommend ShaliGeo Text on laid PVC and then protection screed on top of Geotextile in horizontal surface .
- Terminate **ShaliPVC** at the top of parapet wall with termination strip and fix it by screw at 300 mm c/c.
- All termination strip shall be sealed with water lock sealant and topped up by ShaliSeal PU.

Health & Safety

- Use hand gloves and goggles during application.
- Clean hand with soap water after application.

Packing

Available in 2 m x 20 m roll in 2 mm thickness.

Storage

Store rolls horizontally on pallets or shelving in a dry area under shed at ambient temperature and away from source of ignition



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