

Polymer Bitumen Based Waterproofing Membranes

BTM Botanik PP3000 is a polyester felt-reinforced waterproofing membrane made of bitumen modified by SBS (styrene-butadiene-styrene), resistant to plant roots, coated with PE (polyethylene) film on the upper and lower surfaces, having a high elasticity, applied with an oxyacetylene burner or hot asphalt. BTM produces four different membranes under the designation of Botany.



Places of Use

Used to obtain waterproofing on:

- garden terrace roofs of buildings,
- such parts as curtain walls and foundations which contact the soil.
- It is not only designed for cold climates but may also be used as lower and middle layer membrane in waterproofing to be made on any surfaces which contact any types of soil and require elasticity.

Surface Preparation

Surface on which application shall be carried out must be cleaned of any dust, dirt, rust and grease and any loose parts scraped.

Mode of Application

If the surface to be insulated is concrete, then it must have been finished with sloping grout burnished using a wooden trowel and be clean and dry. Before the application of the membrane,



the surface must have been spread with bituminous solution undercoat BITUSOL (TS 103) or bituminous emulsion undercoat BITUMER (TS 113) and allowed to dry up. Membranes start to be applied in a direction perpendicular to the slope at the lowest part of the roof (lowest elevation). The membrane is heated up with oxyacetylene burner flame and then adhered to the surface. The rows must be laid with some shift sideways. Membranes must be overlapped 15cm on the short sides and 10cm on the long ones, and the seams must be well adhered. Between the layers, there must be a shift sideways for 50cm on the short side and 5m on the long one.

Packaging

Botanik PE4 is launched into the market in rolls 1m wide and 10m long.



Storage Conditions

Rolls must be vertically stored in roofed-over spaces. If the rolls have to be stored outdoors for a long period of time, then they must be covered with a protective layer in order to protect them against the sunlight. If the rolls are to be stowed without pallets, they are not stacked one on top of another. In palletised stowage, two rows may be stacked one on top of the other.