

TECH 100 PLUS ANTI-ROOT (180g/m²)

waterproofing membrane for roof gardens

Description

Pre-fabricated membrane made of distilled bitumen and elastomeric polymers (SBS) specifically indicated for use on structures where vegetation is foreseen (ex. roof gardens, buried works, etc.).

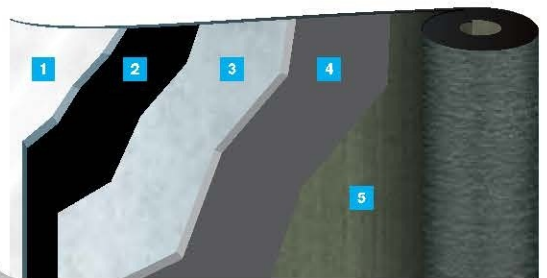
The excellent and long lasting performance of TECH100 ANTI-ROOT are given by the sum of the characteristics, the reinforcement and the waterproofing mass, opportunely added with a special chemical product (Preventol B2 Bayer) which confer a very high resistance to both root penetration as well as aggressive chemicals such as fertilizers, herbicidals, etc.

The "anti-root" resistance of the material does not in any way affect the plants. The anti-root additive is not in anyway washed out of the compound and resists the heat of the open flame torch during application, therefore the product performs its function in a permanent way.

Due to the characteristics, the membranes of the TECH 100 ANTI-ROOT series are used with success for the waterproofing of both civil and industrial works where it is necessary to prevent the aggression of plant growth which may damage the integrity of the waterproofing layer, for ex. roof gardens, parking lots and underground works, retaining walls, flower boxes, etc.

Stratigraphy

1. PE film
2. Waterproofing mass
3. Single strand composite polyester fabric
4. Waterproofing mass
5. Sand or talc finish



Methods of application

For the application of the membrane the use of heat is generally used by means of a gas torch or specific hot air machine. Use protective devices required by law. The application by heat is not suggested when on heat sensitive materials (polystyrene insulation).

- Coordinate the operations in a way to not cause damage to the construction elements and underground structure. Avoid to leave the structure for the night or for periods of prolonged work interruptions without having been properly sealed.
- The application surface must not have depressions, to avoid the ponding of rain water and must have a sufficient slope to guarantee a regular run off of rain. Normally this is obtained with a slope of 1.5%.
- The water drainage spouts should be sufficiently big enough to allow for rain water to be eliminated in an efficient way.
- Prepare cementitious substrates, including verticals and details, with a bituminous primer either by brush or airless, approx. 300/400 gr/m².

- Allow this preparation layer to dry before proceeding with any other operation.
- With prefabricated constructions, apply a suitable reinforcing strip along all joints. In the presence of construction joints, prefabricated panels or metal decks, suitable expansion joints are to be considered.

The membranes must be applied to the substrate fully bonded. In any case, when in the proximity of the head laps, the membrane must be applied for at least 100 cm; furthermore all details, perimeters, verticals, change of slope as well as projecting area must be fully bonded.

For further information and news it is recommended to consult the PLUVITEC technical literature; our Technical Office is always available to evaluate particular problems and to provide the necessary assistance to best apply our waterproofing membranes.

Fields of use



EN13707 Continuous roofs (Certificate n° GB14/92056)

N° layers		Method of application				Type of application		Type							
Single Layer	Double Layer	Torch	Hot Air	Mixed (Torch / Air)	Cold Bond Glue	Mechanical Fixing	Thermo Adhesive / Self Adhesive	Fully Bonded	Partially Bonded	Loose Laid	Complementary Layer	Top Layer	Heavy Protection	Anti-root	Other Uses
	▪	▪						▪			▪	▪	▪		

ANTI-ROOT P 4 MM

EN13969 Retaining walls (Certificate n° GB14/92056)

ANTI-ROOT P 4 MM	▪	▪	▪	▪				▪			▪	▪	▪	▪	
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