

PRO-TEC RE-ROOFING

Mineral finished composite waterproofing membrane

Description

Prefabricated modified composite polymer-bitumen waterproofing membrane composed of distilled bitumen and differentiated waterproofing masses, specifically designed for use over old bituminous waterproofing membranes.

The upper face compound is composed of distilled bitumen and elasto-plastomers while the lower face compound is composed of distilled bitumen and special polymers which provide particular characteristics of adhesion & workability.

A special waterproofing mass is used to bond the upper & lower compounds.

PRO-TEC RE-ROOFING is reinforced with a woven non woven single strand composite polyester fabric, with very good mechanical characteristics and exceptional dimensional stability.

PRO-TEC RE-ROOFING is self-protected with mineral slates which reduce heat absorption and improve the durability of the membrane.

PRO-TEC RE-ROOFING PA has a 10 cm side selvedge and a 15 cm head selvedge which promotes the adhesion between the various sheets.

Methods of application

The application of the membrane is generally obtained by heat, using either a gas or hot air torch making sure to provide for side laps of 10 cm and head laps of 15 cm.

Considering the particular areas of usage the product must be applied fully bonded to the existing membrane, the same must also be done for those areas such as the perimeter, verticals and change of slope.

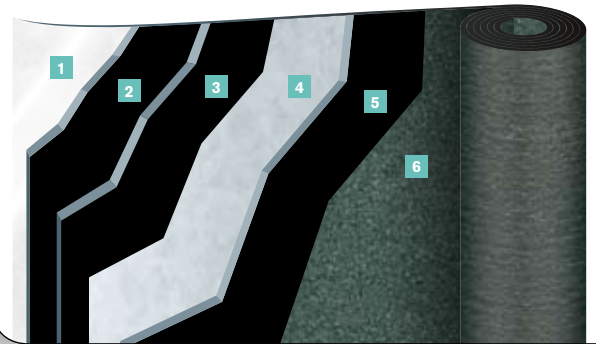
For further information we recommend to consult PLUVITEC's technical literature.

Fields of use


PRO-TEC RE-ROOFING is specifically indicated for use as a re-furbishment layer over existing old bituminous waterproofing membranes, especially those with mineral slate finish considering the excellent characteristics of adhesion and workability. PRO-TEC RE-ROOFING is compatible and can be applied with all PLUVITEC membranes, both APP & SBS.

Stratigraphy

1. P.E. film
2. R compound
3. Waterproofing mass
4. Woven non woven single strand composite polyester reinforcement
5. Waterproofing mass
6. PA self-protected mineral surface



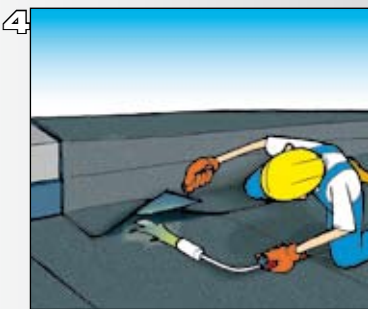
Fields of use

 Certificate N. 0958-CPD-DK029 Certificate N. 0958-CPD-DK030 INTRON CERTIFICATIE Certification body 0958	CE Certification		N° layers	Method of application				Type of app.			Type											
	EN13707 Continuous Roofs	EN13859-1 Under Roof Tile	EN13970 Vapour barrier	EN13969 Retaining Walls	Other Uses	Single Layer	Double Layer	Multilayer	Torch	Hot Air	Mixed (Torch/Air)	Cold Bond Glue	Mechanical Fixing	Thermo Ad / Self Adhesive	Fully Bonded	Partially Bonded	Loose Laid	Complimentary Layer	Top Layer	Heavy Protection	Anti-root	Other Uses
PRO-TEC RE-ROOFING PA 5 KG/M²	•	•	•	•										•					•			

The waterproofing membrane based on distilled bitumen and polymers, as shown in this data sheet does not require the issue of a MSDS, because it does not contain dangerous substances. The information data sheet for the proper use of products is available.

Technical data sheet

How to apply



PRO-TEC RE-ROOFING

Application & recommendations

- Clean the application surface.
- Apply by gas or hot air torch a 25 cm strip along all the vertical up stands.
- Position the membrane always starting from the lowest point, in order to have all the overlaps with the slope.
- Apply and position the membranes staggered to avoid creating areas where the membrane overlap against the slope and in the direction of the drains.
- Cut the corners of the membrane which will be applied under the next sheet with a 45° angle.
- After having positioned the roll, re-roll the material for half of its length and begin application; repeat the same operation for the remaining half of the roll. (Fig. 1)
- It is necessary to heat the entire surface, except the overlaps, of the lower face to obtain a full adhesion to the application surface.
- During the application by torch, the material needs to be heated to a point where the compound starts to flow in such a way that it fully saturates the application surface. The melted flow of compound obtained by torching is the R mass. (Fig. 2)
- Torch the side laps (10 cm) and head laps (15 cm) with a torch for overlaps. During this stage the overlaps should be pressed by using a roller (15 kg) from which a bead of compound should flow. Do not iron the overlaps. (Fig. 3)
- Apply the membrane on the verticals making sure that they overlap on the horizontal surface at least 10 cm, make sure that they are fully bonded using a trowel to squeeze a bead of compound from underneath. (Fig. 4)
- The height of the vertical must be equivalent or superior to the finished surface by at least 15 cm.

Technical data

Technical Characteristics	Measure Units	Reference Norm	PA	Tol.
Type of reinforcement			Single strand polyester	
Upper face finish			Mineral	
Lower face finish			P.E. film	
Length	m	EN 1848-1	8 -1%	
Width	m	EN 1848-1	1 -1%	
Mass	kg/m ²	EN 1849-1	5	-10%
Cold flexibility	°C	EN 1109	-10	
Flow resistance	°C	EN 1110	130	
Flow resistance after ageing	°C	EN 1296	NPD	-10%
Shear resistance L/T	N / 5 cm	EN 12317-1	500/400	-20%
Tensile strength L/T	N / 5 cm	EN 12311-1	600/500	-20%
Elongation at break L/T	%	EN 12311-1	35/35	-15
Tearing resistance L/T	N	EN 12310-1	150/150	-30%
Static puncture resistance	kg	EN 12730	15	
Dynamic puncture resistance	mm	EN 12691	900	
Fire resistance		EN 13501-5	F ROOF	
Fire reaction		EN 13501-1	F	
Impermeability after artificial ageing	Kpa	EN 1296	60	
Watertightness	Kpa	EN 1928	60	

Sizes & packing*

Description	PA 5 kg/m ²
PRO-TEC RE-ROOFING	
Rolls size (m)	8 x 1
Rolls per pallet	23
Square meters per pallet	184

*Sizes & packing may vary depending on the type of transportation. The technical data given is based on average values obtained during production. Pluvitec reserves the rights to change or modify the nominal values without prior notice or advice.

Technical data sheet



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