

THERMOLINE

Composite waterproofing membrane

Compound

Prefabricated modified composite polymer-bitumen waterproofing membrane composed of distilled bitumen and differentiated waterproofing masses.

The upper face compound is composed of distilled bitumen and elastomers 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.

Reinforcements

THERMOLINE is reinforced with a woven non woven single strand composite polyester fabric, with very good mechanical characteristics and exceptional dimensional stability.

Finishes

The THERMOLINE membrane on the lower side features a series of stripes formed by a special compound, separated by fine sand, which ensures water vapour diffusion and distribution of mechanical stress of the membrane.

THERMOLINE is self-protected with black polypropylene mat.

THERMOLINE has a 10 cm side selvedge which promotes the adhesion between the various sheets.

Stratigraphy



EN 13707

Fields of use



THERMOLINE P 3 KG/M²

EN13707 Continuous roofs

N° layers				Method of application				Type of applications			Type			
Single layer	Double layer	Multilayer	Torch	Hot air	Mixed (Torch / Air)	Cold bond glue	Mechanical fixing	Thermoadhesive / Self-adhesive	Fully bonded	Partially bonded	Loose laid	Complimentary layer	Top layer	Heavy protection
													Anti-root	Other uses

Sizes & packing

Description	
Rolls size [m]	10 x 1
Rolls per pallet	30
Square meters per pallet [m²]	300

Sizes & packing may vary depending on the type of transportation. The technical data given is based on average values obtained during production. We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

Technical data

Technical Characteristics	Measure units	Reference norm	P	Tolerances
Type of reinforcement			Single strand polyester	
Upper face finish			Polypropylene mat	
Lower face finish			Thermo AD special compound separated by fine sand	
Visible defects		EN 1850-1	No	
Straightness	mm/10 m	EN 1848-1	< 20	
Length	m	EN 1848-1	10	MLV ≥
Width	m	EN 1848-1	1	MLV ≥
Mass	kg/m²	EN 1849-1	3,3	MDV ±10%
Cold flexibility	°C	EN 1109	-20	MLV ≤
Cold flexibility after ageing		EN 1296	-15	MDV +15°C
Flow resistance	°C	EN 1110	100	MLV ≥
Flow resistance after ageing	°C	EN 1296	90	MDV -10°C
Shear resistance L / T	N/5 cm	EN 12317-1	600/400	MDV -20% +50%
Tensile strength L / T	N/5 cm	EN 12311-1	700/500	MDV -20% +50%
Elongation at break L / T	%	EN 12311-1	40/40	MDV -15+30
Tearing resistance L / T	N	EN 12310-1	150/150	MDV -20% +50%
Static puncture resistance	kg	EN 12730-A	15	MLV ≥
Dynamic puncture resistance	mm	EN 12691-B	1000	MLV ≥
Dimensional stability	%	EN 1107-1	0,3	MLV ≤
Peel resistance of joints L / T	N/5 cm	EN 12316-1	NPD/NPD	MDV ±20N
Fire resistance		EN 13501-5	F R00F	
Fire reaction		EN 13501-1	NPD	
Watertightness	kPa	EN 1928-B	60	MLV ≥
Watertightness after ageing	kPa	EN 1296	60	MLV ≥
Root resistance		EN 13948	NPD	

NPD = No Performance Declared in accordance with the EU Construction Products Directive.

MDV = value declared by the manufacturer associated with a declared tolerance.

MLV = limit value, minimum or maximum, declared by the manufacturer.

Application and Recommendations

- Clean the application surface.
- Apply by torch application or hot air, in correspondence to the verticals, a 25 cm strip of polyester reinforced membrane.
- Position the sheets always starting from the lowest point, in order to have all the overlaps with the slope.
- When applying staggered, position the sheets alternating the overlapped areas, in order to not create joints against the slope towards the drains.
- After having positioned the sheets, re-roll the membranes to half their length, beginning the application by torching; repeat the same operation with the other half of the roll (drawing 1).
- It is necessary to heat the entire surface, besides the overlaps, of the lower face to obtain a full adhesion to the application surface.
- Torch by flame or hot air the side laps (10 cm) and the head laps (15 cm) with an overlap torch. During this operation use a metal roller (15 kg) to press the overlaps and obtain a bead of melted compound. It is not necessary to iron the overlaps during this operation (drawing 2).
- Apply the vertical membrane sheet by overlapping on to the horizontal surface by at least 10 cm, torching by flame or hot air, pressing the joins with a trowel to obtain a bead of melted compound to finish the corners (drawing 3).
- The height of the vertical must be at least 15 cm more than the finished roof surface.
- Verticals higher than 20 cm must be done with SUPERTEC PA 4 mm.
- The rolls are to be stored in an upright position, indoors in a dry and ventilated area, away from heat sources. Absolutely avoid the stacking of rolls and pallets for storage or transport to avoid possible deformations which may compromise a perfect installation. It is recommended to store the product at temperatures above 0°C.
- Do not keep the product outside and at a temperature below +10°C and above +40°C except for the time strictly required for application.
- The application must be done at temperature higher than +5°C.
- The application must be interrupted in adverse weather conditions (high humidity, rain, etc.).
- The pallets on which the rolls are packaged are intended for normal warehouse use.
- The materials on stock should be rotated following a first in first out rotation.



e260014 - 13/01/2026 - This version supersedes all previous ones.