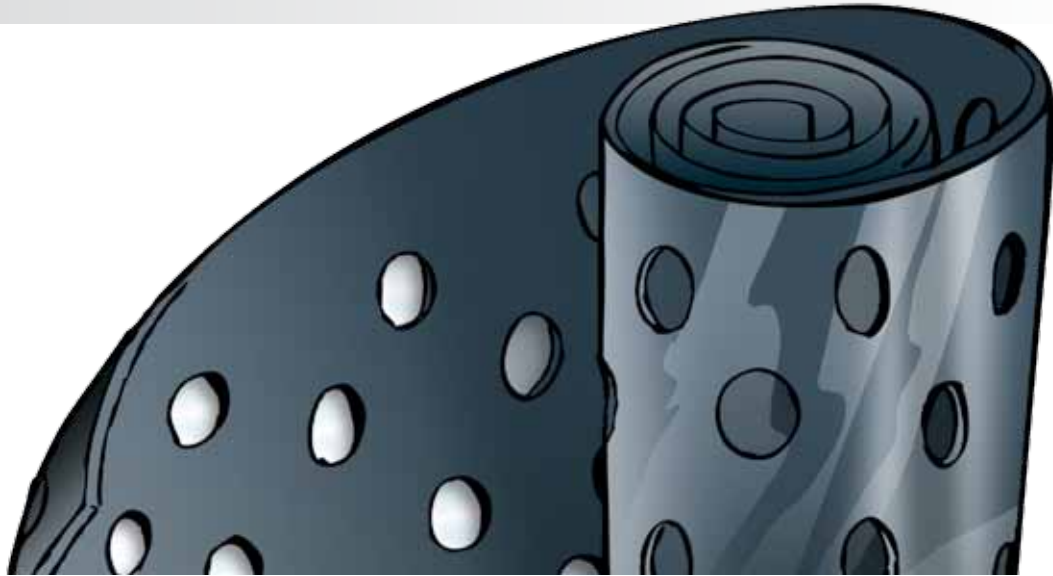


IPERTEC FORATO

Technical data sheet



Description

Prefabricated modified polymer-bitumen membrane whose compound is composed of distilled bitumen and elasto-plastomers (APP) reinforced with a perforated fiberglass mat. Both sides of the membrane are protected by a polyethylene burn off film. The diameter of the holes are of 40 mm and evenly across the surface.

Areas of application

In virtue of the particular formulation, the IPERTEC FORATO membrane is compatible with both SBS and APP membranes manufactured by PLUVITEC.

IPERTEC FORATO is used for partially bonded waterproofing systems and applications, providing for a constant, evenly spread and homogeneous bond to the substrate. The application of IPERTEC FORATO allows for vapor to travel freely below the waterproofing layer allowing for it to be expelled through suitable air vents.

Use of product

IPERTEC FORATO is applied loose laid and not bonded to the substrate, allowing for side & head laps. The following layer of membrane will be applied fully bonded. The application by torch is not suggested on heat sensitive materials (ex. polystyrene insulation). The details (perimeter, protruding objects, etc.), verticals and applications in correspondence to change of slope, must be fully bonded to the substrate. For further information we recommend to consult PLUVITEC's technical literature.

Fields of use

	CE Certification	N° layers	Method of application	Type of app.	Type
IPERTEC FORATO 750 GR/M ²	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					

IPERTEC FORATO

Recommendations

To obtain the most from the technical characteristics of the membranes IPERTEC FORATO and therefore guaranteeing the maximum reliability and durability of the completed works, it is suggested to follow some simple fundamental rules:

- The rolls are to be stored in an upright position, preferably indoors in a dry and ventilated area, away from sources of heat and avoiding to stack them one on top of the other to avoid possible deformation which may compromise the application. It is recommended to store the material at temperatures above 0 °C.
- The application surface must be smooth dry & clean with at least a 10% slope.
- The application surface must be previously treated with a suitable bituminous primer (PRIMERTEC or ECOPRIMER), to eliminate dust and enhance the adhesion of the membrane.
- The application surface must not have any depressions to avoid ponding water, and must have a sufficient slope to guarantee the run off of rain water.
- In situations of application on vertical surfaces superior to 2 meters or on very sloped substrates, apply suitable mechanical fixings to the head laps, after which they will be sealed when torching the head laps.
- The application must be done at temperature higher than + 5 °C.
- The application must be interrupted in adverse weather conditions (high humidity, rain, etc.)
- Avoid directing the flame on the self protecting metal laminated sheet but towards the lower surface of the membrane.
- If applying the material on roofs with insulation, a vapor barrier membrane below the insulation itself is recommended with the use of air vents.

Technical data

Technical characteristics	Measure Units	Reference norm	IPERTEC FORATO	Tol.
Type of reinforcement			Fiberglass	
Upper surface finish			PE film	
Lower surface finish			PE film	
Length	m	EN 1848-1	30 -1%	
Width	m	EN 1848-1	1 -1%	
Mass	kg/m ²	EN 1849-1	0,745	-10%
Cold flexibility	°C	EN 1109	NPD	
Tensile strength	N/5 cm	EN 12311-1	350 / 250	-20%
Elongation to break L/T	%	EN 12311-1	2/2	-15
Fire resistance		EN 13501-5	F ROOF	
Reaction to fire		EN 13501-1	F	
Water tightness	kPa	EN 1928	NPD	

Packaging

Roll dimensions (m)	30 x 1
Rolls per pit	39

Pluvitec reserves the rights to change or modify the nominal values without prior notice or advice.