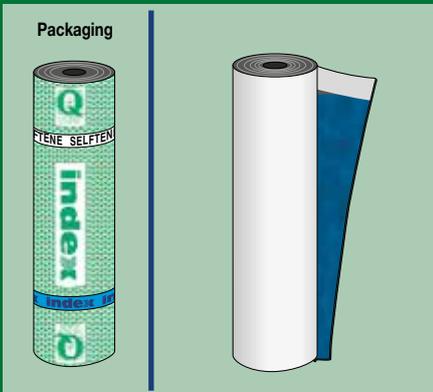


# SELFTENE BASE EP POLIESTERE

ELASTOPLASTOMERIC DISTILLED POLYMER-BITUMEN SELF-ADHESIVE WATERPROOFING MEMBRANES



GRANTS **LEED** CREDITS

CATEGORY	CHARACTERISTICS	ENVIRONMENTAL						METHOD OF USE		
<b>EP S</b> SPECIAL ELASTOPLASTOMERIC FOR SPECIFIC USES	<b>WATERPROOF</b> <b>SUPER-ADHESIVE</b> Reazione al fuoco	<b>ECO GREEN</b>	<b>ASBESTOS FREE</b>	<b>TAR FREE</b>	<b>CHLORINE FREE</b>	<b>RECYCLABLE</b>	<b>NON DANGEROUS WASTE</b>	<b>EXHAUSTED OIL FREE</b>	<b>APPLICATION BY PRESSURE</b>	<b>NAILING</b>

## 1 PROBLEM

**ROOF**  Flat  Slop

**SUBSTRATE**  Concrete  Wood  
 Previous membrane  Thermal insulation

## HOW TO APPLY THICK PROFESSIONAL REINFORCED MEMBRANES TO WATERPROOF UNDER TILES WITHOUT TORCHING OR USING OTHER HEAT SOURCES OR HARMFUL ADHESIVES FOR THE LAYING OF THE TILES ON THE BATTENS

The torch laying process of thick reinforced membranes on wood boards presumes the laying in advance of a nailed-on flame barrier. In some situations, the use of flames, melted oxidised bitumen or harmful solvent-based adhesives is forbidden. Consequently laying on thermal insulation products such as extruded polystyrene, which is sensitive to heat and solvents, is quite a problem.

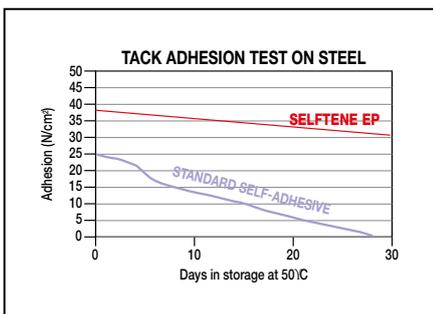
## 2 SOLUTION

**SELFTENE BASE EP**

**SELFTENE BASE EP POLYESTER** is a under-tile waterproofing membrane made of elastoplastomeric distilled polymer-bitumen. It is resistant to heat above 140°C, very thick and self-adhesive by simple pressure at ambient temperature.

The membrane is reinforced with non-woven composite polyester fabric stabilised with fibreglass, offering resistance and high dimensional stability.

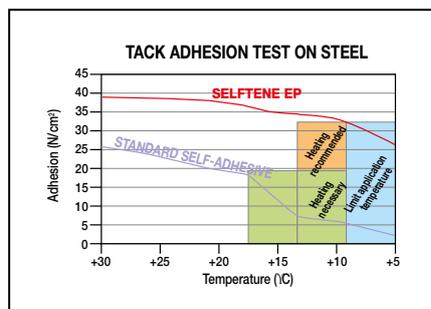
The bottom face of **SELFTENE BASE EP**



**POLYESTER** is coated with a special self-adhesive elastomeric mass, which adheres by simple pressure at ambient temperature. It consists of a special selected mix of Venezuelan bitumen, tackifying resins and radial and linear elastomeric thermoplastic polymers, which guarantee long-lasting adhesive properties.

The graph shows how, unlike standard bitumen-based mixes, **SELFTENE**'s adhesive mass maintains its adhesive properties during the shelf-life test. The following graph again, shows how its formulation with special 'antifreeze' additives allows it to maintain its high adhesive power even at low temperatures during the cold adhesion test. The bottom adhesive face is protected by a silicone-coated film, which should be removed during laying.

The top face of **SELFTENE BASE EP POLY-**



## ADVANTAGES

- It is more secure and fast.
- No special tools are required.

**CE** INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDELINES

**EN 13859-1 - UNDERLAY FOR DISCONTINUOUS ROOFING**  
- SELFTENE BASE EP POLYESTER - 3 - 4 mm

**EN 13970 - BITUMEN WATER VAPOUR CONTROL LAYERS**  
- SELFTENE BASE EP POLYESTER

**ESTER** is lined with **TEXFLAMINA**, which is a fine film of non-slip polypropylene fibres. The side overlaps are sealed again by self-adhesion, while the head overlaps or in any event those on the slate, are sealed with adhesive paste called **HEADCOLL** laid between the edges to be joined or, when allowed, they can be torch welded or sealed by hot air.

## APPLICATION FIELDS

**SELFTENE BASE EP POLYESTER** is mainly used as a waterproof layer under tiles on wood boards or on thermal insulation products resistant to compression, where the tiles are laid on slats. On the same types of roofs, the membrane is also used as a vapour barrier. The laying methods are described in the specific guide related to the "UNDER-TILE" with waterproofing membranes type Best-Adhesive.

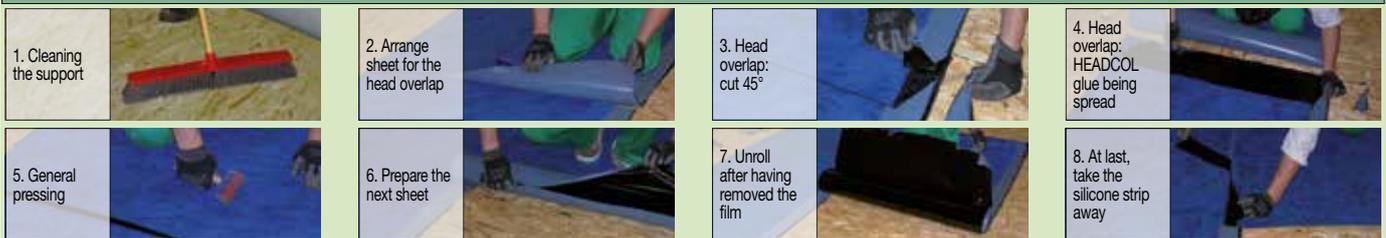
## TECHNICAL CHARACTERISTICS

	Standard	T	SELFTENE BASE EP POLYESTER		
Reinforcement			"Non-woven" composite polyester stabilized with fibreglass		
Thickness	EN 1849-1	±0,2	2.0 mm	3.0 mm	4.0 mm
Roll size	EN 1848-1	-1%	1x15 m	1x10 m	1x10 m
Watertightness	EN 1928 - B	≥	60 kPa		
Maximum tensile force L/T	EN 12311-1	-20%	450/400 N/50 mm		
Elongation L/T	EN 12311-1	-15% V.A.	35/40%		
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	140/140 N		
Dimensional stability L/T	EN 1107-1	≤	-0.25/+0.10%		
Flexibility to low temperature	EN 1109	≤	-15°C		
Flow resistance at high temperature	EN 1110	≥	100°C		
Water vapour transmission	EN 1931	-20%	μ = 100 000		
• after ageing	EN 1296-1931	-20%			
Res. to water penetration	EN 1928		W1		
• after ageing	EN 1296-1928		W1		
Reaction to fire Euroclass	EN 13501-1		E		
External fire performance	EN 13501-5		F roof		
Thermal specifications					
Thermal conductivity			0.2 W/mK	0.2 W/mK	0.2 W/mK
Heat capacity			2.60 KJ/K	3.90 KJ/K	5.20 KJ/K

## METHOD OF USE AND PRECAUTIONS

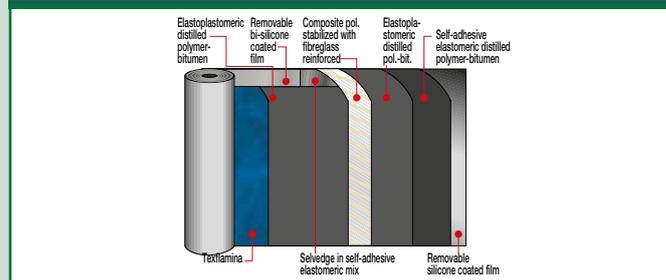
- SELFTENE membrane adhere to the most common construction materials: metal surfaces, Plywood, OSB, polystyrene foam and extruded foam, polyurethane foam coated with bitumen-coated feltpaper, on ROLLBASE HOLLAND, etc. On porous surfaces such as cement and brick/tile, on an old bituminous coat, on old wooden board, etc., the surface to be covered should be prepared with a coat of 250 or 500 g/m<sup>2</sup> INDEVER PRIMER E primer.
- Visible sheets applied vertically should be secured mechanically at the end.
- Store the rolls in a dry place indoors and take them to the laying location only when about to be applied.
- Open the package immediately before laying.
- Polymer bitumen membranes are thermoplastic products and therefore they soften in the hottest hours of summer days whereas they harden in cold weather and the product's adhesive power is therefore reduced.
- **For slopes over 15% the sets of roof layers including self-adhesive membranes should be carefully designed and if necessary integrated with mechanical fastening.**
- **Suspend laying by self-adhesion when the temperature falls below +5°C and/or facilitate laying with hot air appliances or with a flame at temperatures below +10°C and/or in particularly humid conditions.**

## METHOD OF USE



## COMPOSITION OF THE MEMBRANE

### SELFTENE BASE EP POLYESTER



## PRODUCT FINISHING

**"TEXTLAMINA" PP NON-WOVEN.** Multifunction, protection finishing material made up of a non-woven flame-melting synthetic-fibre fabric, coupled to the upper face of the membrane. It prevents coils from sticking to the roll, improves foot traffic resistance during installation, enhances the adhesion of paints, glues and extends their life.

**REMOVABLE SILICONE-COATED FILM.** The lower face of the membrane is covered in a silicone-coated film which preserves the adhesive mix.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

**index**  
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