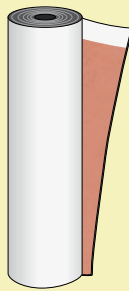


## GRANTS LEED CREDITS

Packaging

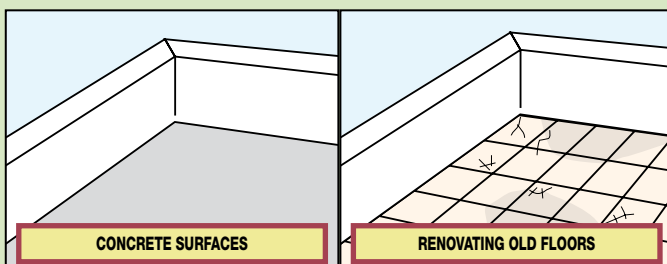


# SELFTENETile

**ELASTOMERIC POLYMER BITUMEN SELF-ADHESIVE WATERPROOFING MEMBRANE REINFORCED WITH POLYESTER NON-WOVEN FABRIC, WITH ITS UPPER FACE COVERED BY MICRO-GRANULES OF SLATE AND ITS LOWER FACE SPREADED WITH A SELF-ADHESIVE MIX**

CATEGORY	CHARACTERISTICS				ENVIRONMENTAL							METHOD OF USE			
SPECIAL ELASTOMERIC FOR SPECIFIC USE	WATERPROOF	SUPER-ADHESIVE	REACTION TO FIRE	ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	PRESSURE APPLICATION	NAILING			

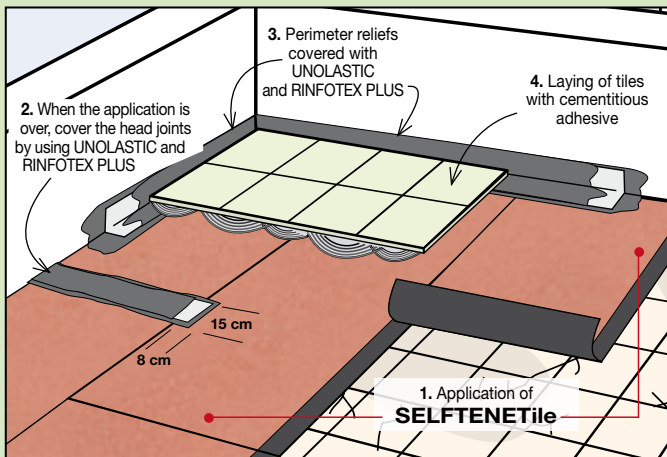
## 1 PROBLEM



## HOW TO WATERPROOF A BALCONY OR TERRACE, WITH A POLYMER BITUMEN MEMBRANE, WITHOUT USING A TORCH, WHERE THE THICKNESS IS NOT SUFFICIENT FOR A SCREED

In new builds, upon completion it often arises that on balconies and terraces the thickness isn't sufficient for laying a screed. The same is valid for renovations, when trying to avoid the demolition of the old floor. This is often added to the problem of laying on small surface areas in situations where using a torch is inconvenient or could damage the existing floor.

## 2 SOLUZIONE



**SELFTENETile** is the self-adhesive membrane onto which floors can be laid directly without needing a cement screed in between, subtracting at least 4 cm thickness.

**SELFTENETile** is an elastomeric (SBS) polymer bitumen self-adhesive membrane, reinforced with a composite non-woven polyester fabric stabilised with fibreglass. It has high mechanical resistance and dimensional stability. Its lower face is spread with a special elastomeric mass, self-adhesive by simply pressing at room temperature. It is made up of a special select Venezuelan bitumen mix, tackifying resins and radial and linear thermoplas-

tic elastomeric polymers with long-lasting adhesive capacities. Unlike a standard bitumen mix, the **SELFTENETile** adhesive mass has unaltered adhesiveness during the storage test and, due to its special formulation with "antifreeze" additives, the adhesiveness also remains strong at low temperatures during the cold adhesion test. The upper face of **SELFTENETile** is covered with micro-granules of slate, except for a side strip for the overlap, which is thinner and is protected with a double-sided silicone coated film. The particularly smooth special mineral micro-finish is an excellent surface for the adhesion of floor glue and UNOLASTIC and, along with a reduction in the thickness of the overlapping strip, creates a surface suitable for laying floors with a minimal thickness projection even where the sheets overlap. To facilitate laying, the silicone-coated film protecting the lower adhesive face is split into two overlapping halves that can be individually removed even when the sheet is already unrolled and lined up.

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The upper face of **SELFTENETile** is covered with micro-gran-



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

**EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING**

- Upper layer in multi-layer systems without permanent heavy surface protection - SELFTENETile
- Single-layer under heavy protection - SELFTENETile

to demolish the existing floor and when it isn't possible to use a torch.

## APPLICATION METHOD

The **SELFTENETile** membrane sticks onto the most commonly used building materials: ceramic floors, stoneware, concrete and metal surfaces. The laying surface must be smooth and flat. Porous surfaces, such as cement or brick surfaces, or an old bitumen covering must be prepared with a coat of 250 to 500 g/m<sup>2</sup> INDEVER PRIMER E. Unroll the membrane on the laying surface aligning it at the bottom of one of the walls and cut to measure. Remove the silicone-coated film half from the lower face opposite the masonry taking care not to move the sheet and lose the alignment. Exert suitable pressure on the half of the roll where the silicone-coated film has been removed so that it sticks to the surface.

Then remove the other half of the silicone-coated film from the lower face and exert sufficient pressure on the whole sheet. Lay the second sheet alongside, overlapping with the first along the

(See following)

## ADVANTAGES

- Safe cold application.
- No special tools are required.
- Laying of screed is not required.

## APPLICATION FIELDS

**SELFTENETile** is a membrane intended for single-layer under-floor waterproofing on balconies and terraces where the thickness isn't sufficient for laying a screed or for renovations without having

## TECHNICAL CHARACTERISTICS

	T	SELFTENETile
Weight (EN 1849-1)	±10%	3,0 kg/m <sup>2</sup>
Roll size (EN 1848-1)	≥	1x10 m
Reinforcement		Composite polyester non-woven fabric stabilised with fibreglass
Watertightness (EN 1928 method B)	≥	60 kPa
Maximum tensile strength Long./Transv (EN 12311-1)	-20%	500/400 N/50 mm
Maximum tensile strength Long./Trasv. (EN 12311-1)	-20%	600/500 N/50 mm
Elongation (EN 12311-1)	-15% V.A.	35/40%
Resistance to impact (EN 12691 method A)		1.000 mm
Resistance to static load (EN 12730)		10 kg
Resistance to tearing (nail shank) (EN 12310-1)	-30%	200/200 N
Dimension stability (EN 1107-1)	≤	-0,30/+0,10
Flexibility to low temp. (EN 1109)	≤	-25°C
• after ageing (EN 1926-1109)	+15%	-15°C
Flow resistance at elevated temperature (EN 1110)	≥	100°C
• after ageing (EN 1926-1110)	-15%	90°C
Reaction to fire class (EN 13501-1)		Euroclass E
External fire performance (EN 13501-5)		F <sub>roof</sub>

In compliance with EN 13707 as the water vapour transmission factor, for reinforced polymer bitumen membranes, the value of 20,000 μ may be assumed.

(See previous)

special strip and repeat the operations described above. At the end, under the overlap, remove the silicone-coated strip and press carefully to seal the overlap. The ends of the sheets must be brought alongside each other and be sealed by applying a coat of UNOLASTIC reinforced with RINFOTEX PLUS 15 cm wide across the two sheets, project-

ing by 8-10 cm on both sides of the approach line, to be covered with a second coat of UNOLASTIC. End joints can also be carried out by torch bonding the overlap. On perimeter walls, the housing for the sheet must be created by making a channel at least 4 cm deep smoothed with plaster and painted with primer. The vertical parts must be

spread with a coat of UNOLASTIC reinforced with RINFOTEX PLUS then covered with a second coat of UNOLASTIC across 10 cm on the horizontal sheet and vertically beyond the level of the skirting board. Then the vertical parts must be protected with plaster reinforced with RETINVETRO PER INTONACI.

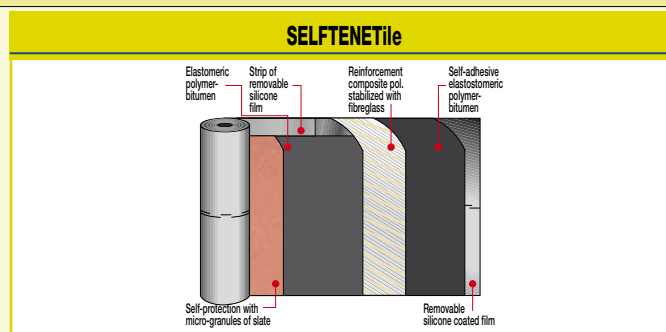
If it is not possible to create the vertical housing in the wall, protect the end of the waterproof covering with a structural metal weather moulding fixed mechanically to the protruding part along with the membrane and sealed at the top. The weather moulding must have a metal wing completely protecting the vertical part of the sheet up to the floor. Ceramic and stoneware floors can be laid straight onto SELFTENETile and UNOLASTIC preferably using cement adhesives modified with class C2 resins according to the type of tiles to be laid.

## PRECAUTIONS

- Before laying the tiles, wait until the end bonds and vertical turn-ups carried out with UNOLASTIC are dry.
- 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.
- **The excellent cold behaviour of SELFTENETile does not justify the laying of the self-adhesive membrane at low temperatures without precautions. Below +10°C also according to the humidity conditions of the air and the surface, particular attention must be paid during laying, if necessary using hot air heating appliances or a "light flame". The temperature of +5°C remains the laying threshold limit.**
- The minimum temperature for applying UNOLASTIC is +5°C.

ing the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

## MEMBRANE COMPOSITION



## PRODUCT FINISH

**MICRO-GRANULES OF SLATE.** Special mineral finish for excellent adhesion with floor glues and UNOLASTIC.

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

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