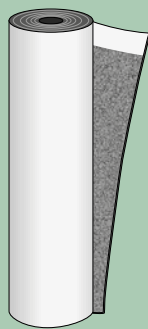


Packaging



MINERAL SELFTENE HE OVERLAPS POLYESTER

ELASTOMERIC DISTILLED POLYMER-BITUMEN SELF-ADHESIVE
WATERPROOFING MEMBRANES,
SELF-PROTECTED WITH SLATE GRANULES
AND WITH OVERLAP STRIP FOR AUTOGENOUS SEALING

GRANTS **LEED** CREDITS

CATEGORY	CHARACTERISTICS			ENVIRONMENTAL							METHOD OF USE	
 SPECIAL ELASTOMERIC FOR SPECIAL USES	 WATERPROOF	 SUPER- ADHESIVE	 Reazione al fuoco	 ECO GREEN	 ASBESTOS FREE	 TAR FREE	 CHLORINE FREE	 RECYCLABLE	 NON DANGEROUS	 EXHAUSTED OIL FREE	 APPLICATION BY PRESSURE	 NAILING

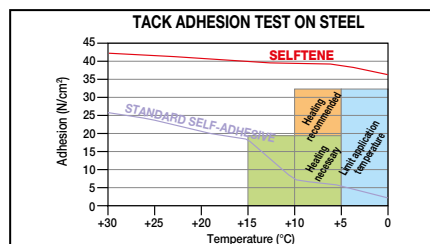
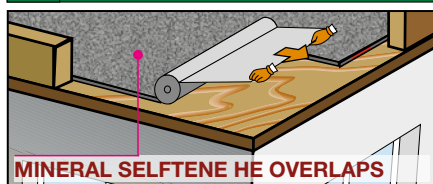
1 PROBLEM



HOW TO SEAL BY TORCH THE OVERLAPS OF AN EXPOSED SELF-ADHESIVE MEMBRANE, WITHOUT DAMAGING THE FLAMMABLE UNDERSURFACE

Exposed self-adhesive membranes applied on flame-sensitive surfaces (with overlaps watertightness as good as torch-on membranes).

2 SOLUTION



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

EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING

- Upper layer in multi-layer systems without permanent heavy surface protection
- MINERAL SELFTENE HE OVERLAPS POL.
- Exposed single-layer
- MINERAL SELFTENE HE OVERLAPS POL.

METHOD OF USE

Once the silicone-coated film has been removed, simply overlap the sheets at the side by at least 8-cm, 2-cm beyond the part without slate on the top face. Remember to press the overlap area very carefully so that the cold adhesion of the 2-cm of the adhesive part of the bottom face on the strip without slate is ensured, which will act as a flame barrier seal for the subsequent hot sealing procedure of the remaining 6-cm. In this way the heat cannot reach the thermal insulation underneath.

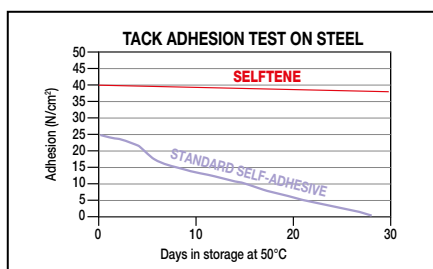
The head overlaps, of at least 12-cm, are torch sealed. In very large roofs, if the head joins of the sheets are aligned with each other, you can reinforce the holding of the head overlaps even further by torch bonding, over these, a strip of **MINERAL HELASTA POLYESTER**, of at least 25-cm in width.

ADVANTAGES

- It is safer.
- Long-lasting holding of the overlaps.
- No special tools required.

MINERAL SELFTENE HE OVERLAPS is a thick elastomeric (SBS) distilled polymer-bitumen membrane reinforced with non-woven composite polyester fabric stabilised with fibreglass, offering high mechanical resistance and high dimensional stability. The bottom face of the membrane 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-base mixes, **SELFTENE HE**'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 is to be removed during laying. The top face of **MINERAL SELFTENE HE OVERLAPS POLYESTER** is self-protected with slate granules, except for a side strip for overlaps, which is protected by a torching fusible Flamina film. **MINERAL SELFTENE HE OVERLAPS** is designed to ensure long-lasting holding of the overlaps equal to that of traditional bitumen-polymer membranes. The overlaps can indeed be torch sealed or sealed with hot air. The **OVERLAPS** version is preferable when the use of flames or hot air tools is admitted on the building site. To be able to hot seal the membranes, the bottom face has a 6-cm strip along the edge of the membrane opposite the overlap strip without slate of the top face. The bottom face is not coated with the self-adhesive mix, but is lined with a strip of non-woven polypropylene fabric called **TEXTAMINA**. This special configuration of the membrane means that the overlaps are able to adhere cold on the laying surface or they can be hot sealed, even on insulation products that are sensitive to heat, such as extruded polystyrene.

APPLICATION FIELDS

The **MINERAL SELFTENE HE OVERLAPS** membrane is used to create thick waterproofing top layer on laying surfaces sensitive to heat or easily combustible, such as panels in extruded polystyrene, wood roofs, etc.

TECHNICAL CHARACTERISTICS

	Standard	T	MINERAL SELFTENE HE OVERLAPS POLYESTER
Reinforcement			"Non-woven" composite polyester stabilized with fibreglass
Aeric mass	EN 1849-1	±10%	4.0 kg/m ²
Roll size	EN 1848-1	-1%	1x10 m
Watertightness	EN 1928 - B	≥	60 kPa
Peel resistance	EN 12316-1	-20 N	NPD
Shear resistance L/T	EN 12317-1	-20%	600/400 N/50mm
Maximum tensile force L/T	EN 12311-1	-20%	700/500 N/50mm
Elongation L/T	EN 12311-1	-15% V.A.	40/45%
Resistance to impact	EN 12691 - A		1 250 mm
Resistance to static loading	EN 12730 - A		15 kg
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	160/200 N
Dimensional stability L/T	EN 1107-1	≤	-0.3/+0.1%
Flexibility to low temp. • after ageing	EN 1109 EN 1296-1109	≤ +15°C	-25°C -20°C
Flow resistance at high temperature	EN 1110	≥	100°C
Reaction to fire Euroclass	EN 13501-1		E
External fire performance	EN 13501-5		F roof

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

PRECAUTIONS

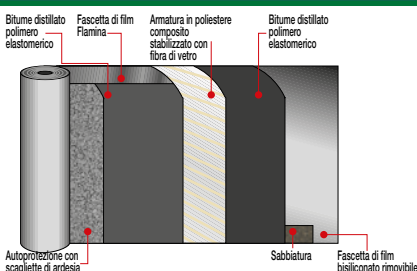
- The **MINERAL SELFTENE HE OVERLAPS** membranes stick onto the most commonly used building materials: metal surfaces, Plywood, OSB, polystyrene foam and extruded foam, polyurethane foam coated with polyethylene-coated fibreglass felt etc. On porous surfaces such as cement and brick, on an old bitumen covering, on old wooden boarding etc., the surface to be covered should be prepared with a coat of 250 to 500 g/m² INDEVER PRIMER E primer.
- Visible sheets applied vertically should be secured mechanically at the end; the same is valid for walls in contact with the ground.
- 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.**
- The excellent cold behaviour of SELFTENE HE 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 support, particular attention must be paid during laying, if necessary using heating appliances or a "light flame". The temperature of +5°C remains the laying threshold limit.**

DETAILS



COMPOSITION OF THE MEMBRANE

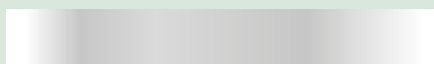
MINERAL SELFTENE HE OVERLAPS POLYESTER



PRODUCT FINISHING



SELF-PROTECTION WITH SLATE GRANULES. On the visible face of the membrane, a protective coating made up of slate granules of various colours is hot bonded. This mineral shield protects the membrane from ageing caused by UV rays.



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 •

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Construction Systems and Products

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The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering