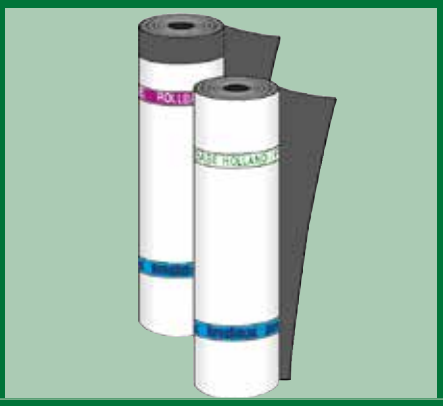


ROLLBASE POLYESTER-V
ROLLBASE HOLLAND POLYESTER

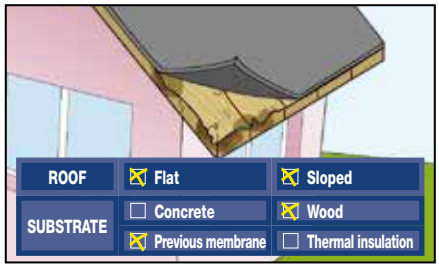
SPECIAL ELASTOPLASTOMERIC DISTILLED POLYMER-BITUMEN MEMBRANE THAT FORMS A BASE THAT CAN BE NAILED DOWN FOR THE DIFFUSION OF HUMIDITY ON WOODEN SURFACES OR HUMIDITY TRAPPED IN OLD WATERPROOF COVERING LAYER ON RIBBED METAL SHEETS ROOFS

GRANTS *LEED* CREDITS

CATEGORY	CHARACTERISTICS	ENVIRONRMENTAL							METHOD OF USE				
EP S		ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	TORCH APPLICATION	HOT AIR APPLICATION	NAILING	COLD ADHESIVE BONDING	APPLICATION WITH MOLTEN BLOWN BITUMEN
SPECIAL ELASTOPLASTOMERIC FOR SPECIFIC USES	ADDITIONAL MULTIPUROUSE WATERPROOFING LAYER												

* For ROLLBASE POLIESTERE-V only

1 PROBLEM

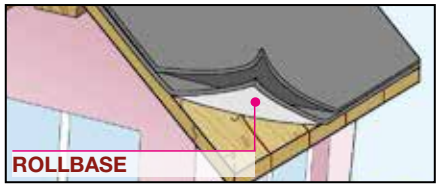


HOW TO WATERPROOF WOODEN ROOFS OR OLD COVERING LAYERS ON RIBBED METAL SHEET WITHOUT MAKING THE WOOD ROT OR THE SHEET CORRODE

Membranes glued on wooden roofs can make the wood rot because they trap humidity. Similar problems can be found when refurbishing waterproof covering layers on ribbed metal sheet.

AND WHAT TO DO WHEN YOU DON'T WANT TO USE FLAME?

2 SOLUTION



INDEX has solved the problem with **ROLLBASE POLISTERE/V** and **ROLLBASE HOLLAND POLYESTER** polymer-bitumen membranes that have the lower side coated with an exposed non-woven polyester fabric that creates a micro interspace between the membrane and the laying surface through which the water vapour can easily drain. The non-woven fabric absorbs the humidity on wooden surfaces and keeps them drier.

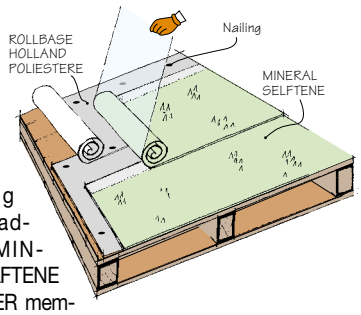
The membranes are flame-bonded on both products. On the **ROLLBASE HOLLAND POLYESTER** version, the self-adhesive membranes of the SELFTENE range can also be cold-bonded without using a flame. **ROLLBASE POLYESTER/V** consists of fibreglass mat reinforcement which is coated with a polymer-bitumen compound. A "non-woven" polyester fabric is then hot-bonded on the lower side.

This remains visible, whereas the upper side is protected by Flamina hot-melt film. The bond is stubborn and long-lasting. The inorganic reinforcement gives the sheet excellent dimensional stability while the "non-woven" fabric guarantees the mechanical resistance necessary to resist tearing and punching. **ROLLBASE POLYESTER/V** has selvages for overlapping the sheets. **ROLLBASE HOLLAND POLYESTER**, on the other hand, is reinforced with strong and rot-proof, "non woven" single strand Spunbond polyester fabric. The upper side is coated with an elastoplastomeric polymer-bitumen compound.

A recent innovation now make it possible to produce a new surface treatment for **ROLLBASE HOLLAND POLYESTER**. A special film is melted on the membrane's upper side. This film forms a well anchored polymeric skin, enabling the stubborn and permanent adhesion of both flame-bonded membranes and SELFTENE membranes cold-bonded by self-adhesion. The lower side consists of a visible non-woven fabric; **ROLLBASE HOLLAND** doesn't have any selvage. **ROLLBASE** can therefore be nailed down and forms a solid base for next layers.

APPLICATION FIELDS

ROLLBASE is particularly suited for coverings that are exposed to wind, chiefly for refurbishing ribbed metal sheet roofs where mechanical fixing and an interspace for the diffusion of humidity trapped in the old covering layer are required. It may also be nailed down to wooden roofs where it will provide a solid base on which to bond the waterproofing coat and it keeps the roofs dry. On wooden laying surfaces do not use torching to bond the overlaps, which should be nailed down every 10 cm with 1-cm large-head nails. Where a torching cannot be used, one can employ the new version of **ROLLBASE HOLLAND POLYESTER**, which should be nailed down to the wooden boarding and lined by cold-adhesion by using the self-adhesive MINERAL SELFTENE POLYESTER membrane. The same technique can be used for refurbishments and in all situations where an exposed flame cannot be used. **ROLLBASE** can be dry laid as a sliding layer on flat roofs ballasted with gravel and terraces which can be walked on. It can be spot-bonded with molten bitumen or with cold adhesives and the bond is much stronger and lasts longer than that obtained between oxidised bitumen and membranes containing polymer-bitumen.



ADVANTAGES

- **The lower side is absorbent and traps the humidity keeping the wood dry.**
- **The non-woven fabric of the lower side is tear-resistant and guarantees secure nailing.**
- **ROLLBASE HOLLAND POLYESTER broadens the field of use of self-adhesive membranes, as it is now compatible with SELFTENE.**

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

EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING

• Under layer or intermediate layer in multi-layer systems without permanent heavy surface protection

- ROLLBASE HOLLAND POLYESTER
- ROLLBASE POLYESTER/V

EN 13970 - BITUMEN WATER VAPOUR CONTROL LAYERS

- ROLLBASE POLYESTER/V

index Construction Systems and Products

1st DIVISION 1st LINE

TECHNICAL CHARACTERISTICS

	Standard	T	ROLLBASE POLYESTER/V	ROLLBASE HOLLAND POLYESTER
Reinforcement			Fibreglass mat with bitumen impregnation and coupled on the lower face with "non-woven" polyester fabric	Visible "non-woven" Spunbond polyester fabric
Weight	EN 1849-1	±0,2	2.0 kg/m²	0.9 kg/m²
Roll size	EN 1848-1	-1%	1.05×10 m	1×20 m
Watertightness • after ageing	EN 1928 – B EN 1926-1928	≥ ≥	60 kPa 60 kPa	60 kPa –
Peel resistance	EN 12316-1	-20 N	NPD	NPD
Maximum tensile force L/T	EN 12311-1	-20%	700/400 N 50 mm	700/400 N 50 mm
Elongation L/T	EN 12311-1	-15% V.A.	50/20%	40/40%
Resistance to impact	EN 12691 – A		NPD	–
Resistance to static loading	EN 12730 - A		NPD	–
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	120/120 N	150/150 N
Flexibility to low temperature	EN 1109	≤	-5°C	-10°C
Flow resistance at high temperature	EN 1110	≥	100°C	120°C
Water vapour transmission • after ageing	EN 1931 EN 1296-1931	-20% -20%	μ 100 000 NPD	– –
Reaction to fire Euroclass	EN 13501-1		F	F
External fire performance	EN 13501-5		F roof	F roof

Adhesion test

• Peeling strenght of ROLLBASE bonded on asbestos-cement

	NEW	AFTER 7 DAYS AT 80°C
ROLLBASE bonded with oxidised bitumen	94.5 N/5 cm (1)	111.7 N/5 cm (2) (5)
ROLLBASE bonded with cold bitum. glue adhesive MASTIPOL	55.6 N/5 cm (3) (6)	83.8 N/5 cm (4) (6)

• Peeling strenght of SELFTENE on ROLLBASE HOLLAND

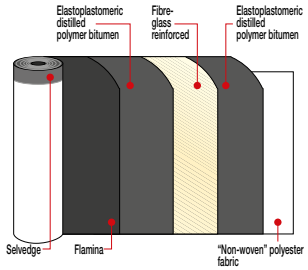
	NEW	AFTER 30 DAYS AT 70°C
SELFTENE cold bonded on ROLLBASE HOLLAND POL.	65.0 N/5 cm (7)	55.0 N/5 cm (7)

• Peeling strenght of standard membrane with talcing finish bonded on asbestos-cement: (1) 33.7 N/5 cm - delamination between membrane and adhesive or bitumen; (2) 28.0 N/5 cm - separation of the adhesive or bitumen from the surface; (3) 36.0 N/5 cm - delamination between membrane and adhesive or bitumen; (4) 30.6 N/5 cm - delamination between membrane and adhesive or bitumen. (5) eparation of the adhesive or bitumen from the surface. (6) MASTIPOL adhesion loss. (7) Separation occourse in the base sheet.

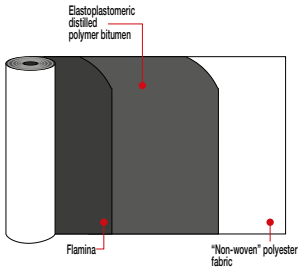
Compliant with EN 13707 in terms of the resistance factor to steam penetration for reinforced polymer-bitumen membranes, the value of μ = 20 000 may be considered, unless declared otherwise.

COMPOSITION OF THE MEMBRANE

ROLLBASE POLYESTER/V



ROLLBASE HOLLAND POLYESTER



PRODUCT FINISHING

"FLAMINA" PE FOIL. Plastic protection film helping prevent coils from sticking to the roll. As it withdraws under the action of the flame right during its installation, it signals the best melting point in order to correctly glue the membrane to the brackets and rises. When not heated, it can be used as a sliding layer.

"NON-WOVEN" POLYESTER FABRIC. Fabric finish that absorbs condensate keeping the timber surfaces dry.

• 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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TOTAL QUALITY index UNI EN ISO 9001

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