



TrioTex

Separator
Breathing Membrane
as Metal Roof Underlay

TrioTex Separator is a high performance metal roof underlay with separation layer that has high vapour transmission, drainage, insulation and acoustic properties. It is designed for stainless steel, copper, titanium and zinc alloy metal roofs and facades.



TrioTex

Separator Breathing Membrane as Metal Roof Underlay

Application and Areas of Use

Underlay should be laid by being stretched with at least 10 cm overlapping and overlaps should be sealed with recommended adhesive tape. Overlapping width can vary according to vertical and horizontal applications for roof and facade. According to surface details overlap width should be provided for all joints between underlays by cutting separation layer. The edges of underlay and other surfaces should be sealed with mastic or butyl tapes. If the product is not PLUS type, TrioTex DS 38 double side acrylic tape or butyl tape should be applied to underlay overlaps in between. Rolls have a physical surface of 37,5 m² and area to be covered is 35 m² at ideal conditions. The surface of product should be protected from dust and water once it is unpacked. Application of adhesives such as tapes and mastic requires clean surfaces. Underlay should be covered against sunlight in maximum 4 months. "TrioTex Roof and Facade Solutions" should be reviewed for details.

- Titanium alloyed clamped metal roofs and facades
- Zinc alloyed clamped metal roofs and facades
- Copper alloyed clamped metal roofs and facades
- Aluminum alloyed clamped metal roofs and facades
- Stainless Steel clamped metal roofs and facades
- Painted galvanized clamped metal roofs and facades

Advantages

- It prolongs the life of the system: in metal roofs, top coating transfers heating and cooling to lower layers quickly. In cases where the clamped roof is in direct contact with the underlay, heat fluctuations between night and day or overheating causes the breathing membrane aging faster. However, in roofs where TrioTex Separator is used, 8 mm air circulation gap effectively removes the moist a way. Thus metal coating is prevented from damage by corrosion.
- Disturbing noises are absorbed: Unwanted noises such as heavy rains, hailstorms and jet engine noises are absorbed to a certain level and thus assist sound insulation.
- It's easy to apply: it is a highly pliable construction material. This enables easy application despite irregularities in wooden plates or heat insulation plates.

Packaging and Storage

It is delivered in rolls in polyethylene packaging. Roll dimensions: 1.5 x 25 m. Rolls should be kept on a clean surface in the storage facility either vertically or horizontally protected from sunlight.

TECHNICAL SPECIFICATIONS

(EN 13859-1)			Separator
Mass per unit area	EN 1849-2	g/m ²	430
Roll weight		kg	16.5
Reaction to fire	EN 13501 EN 11925-2	Class	E
Resistance to water penetration	EN 1928 EN 13111	Class	W1
Water vapour transmission properties (Sd)	EN 12572 EN 1931	m	0.02
Maximum tensile force MD / CMD	EN 12311-1 EN 13859-1,2	N/50mm	310/215
Elongation at max. tensile force MD / CMD	EN 12311-1 EN 13859-1,2	%	45/70
Resistance to tearing MD / CMD	EN 12310-1 EN 13859-1,2	N	170/190
Dimensional stability	EN 1107-2	%	< 2
Flexibility at low temperature	EN 1109 EN 495-5	°C	-20
Resistance to penetration of air	EN 12114 EN 13859-1,2	m ³ /m ² .h.50Pa	npd
Working Temperature		C°	-40 /+80
Water Column	EN 20811	cm	>280
Change after artificial ageing			
Resistance to water penetration	EN 1297	Class	W1
Max. Tensile Force	EN 13859-1, 2	%	< 20
Elongation at max. tensile force	Annex C	%	< 40



TS EN 13859-1
14.4.41.0.00.00/TSE-65164

Roll Packing

