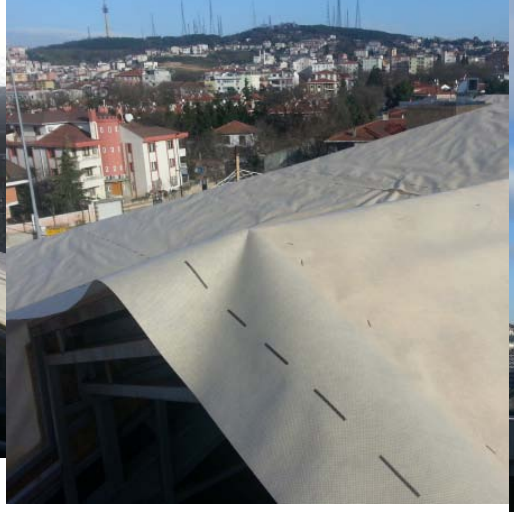
istanbulteknik
"Ready to improve your construction"

TrioTex

VBR 120
Vapour Brake
as Vapour Control Underlay

TrioTex VBR 120 is a two layer underlay that is made of a special film layer covers a nonwoven polypropylene (Spunbond) layer and allowing limited vapour transition used under heat insulation. This product has vapour barrier property compared with breathing underlays and limited breathing property compared with vapour barriers. For that reason they are defined as vapour brakes or vapour control underlays. It can be used only in combination with breathable underlay.



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Application and Areas of Use

Underlay should be laid by being stretched with at least 10 cm overlapping and overlaps should be surely sealed with recommended adhesive tape. Overlapping width can vary according to vertical and horizontal applications for roof and facade. **" TrioTex Roof and Facade Solutions"** should be reviewed for details.

The edges of underlay and other surface should be sealed with mastic or butyl tapes. If the product is not PLUS type, TrioTex DS 38 double side acryl tape should be applied to underlay overlaps in between or TrioTex SP AL, TrioTex SP UNI one side acryl tape should be applied to the overlaps top. A piece of underlay can be patched or TrioTex SP UNI is also used as repairing tape for small damage or rips. Rolls have a physical surface of 75 m^2 and area to be covered is 70 m^2 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. It should be used only in combination with breathable underlay.

- It can be used in roofs with or without air ventilation.
- When used in penthouses on the interior of the roof, it prevents heat loss through convection. It provides appropriate climate conditions.
- It is applied over trapezoidal sheet metal in clamped metal roofs.

Advantages

- It reduces vapour the insulation is exposed to.
- It limits the humidity of the internal environment.
- It can be used as an alternative to vapor barriers where vapour release is not excessive.
- It has been designed for living spaces in attic.

Packaging and Storage

It is delivered in rolls in polyethylene packaging.
Roll dimensions: 1.5 x 50 m
Rolls should be kept on a clean surface in the storage facility either vertically or horizontally protected from sunlight.

Technical Specifications

(EN 13984)			VBR 120
Mass per unit area	EN 1849-2	g/m2	120
Thickness	EN 1849-2	mm	9.50
Reaction to fire	EN 13501 EN 11925-2	Class	E*
Water tightness	EN 1928	-	Conforming
Water vapour transmission properties (Sd)	EN 1931	m	5
Maximum tensile force MD / CMD	EN 12311-2 EN 13859-1	N/50mm	150/130
Elongation at max. tensile force MD / CMD	EN 12311-2 EN 13859-1	%	40/40
Resistance to tearing MD / CMD	EN 12310-2 EN 13859-1	N	100/110
Determination of resistance to impact	EN 12691	-	npd
Joint Strength	EN 12317-2	N	npd
Resistance to deformation under load	EN 13984	-	npd
Resistance to alkali	EN 13984 EN 12311-2	-	npd
Durability of water vapour resistance against ageing	EN 1296 EN 1931	-	Conforming
*Underlay is covered by a panel or heat insulation.			

CE
12

Roll Packing