

# CLIMA

## smart solution for the latest generation houses

We would like to introduce to you our newest solution of humidity variable hygroscopic membrane. This new membrane is an alternative solution for vapor barrier products with a variable Sd coefficient. It is made out of a layer of polypropylene non-woven fabric and a special functional film, which enables small quantities of vapor to move towards the attic from the inside of the building, and if necessary, the other way around. This results in the membrane having a special feature- also called vapor barrier activity. The product is vapor active- it prevents vapor condensation (this feature is not available with regular vapor barriers).



### Technical data

Mass	ca. 85 g/m <sup>2</sup>
Vapour-permeability	2-3 g/m <sup>2</sup> /24h
Sd	ca. 10 m
Sd Variable	ca. 2-16 m
UV resistance	4 months
Water-tightness	W1
Roll size	1,5 m x 50 mb = 75 m <sup>2</sup>
Roll weight	ca. 6,37 kg
Pallet	50 rolls

Eurovent CLIMA was created to face global demand in the field of vapor insulation. It is used as sealant layer for air infiltration. This intelligent film supports drying process of roofing system. It highly reduces the load of humidity on the roofing baffle. As a result insulation and the building structure remains in dry state. Intelligent adaptive vapor membrane also adjusts the resistance to the flow of water vapor depending on the level of humidity between the baffle and the interior of the building.

# CLIMA

## intelligent technology

Exceptional high diffusion resistance varying in consideration of the humidity content makes Eurovent CLIMA highly effective in all climatic conditions. Extraordinary (Sd 0.25 m – 25 m) range of changes in diffusion resistance guarantees safety constructions with closed diffusion, such as roofs with inverted layers or fully boarded roofs covered with asphalt or bituminous shingles. Thanks too variable Sd-value this intelligent vapor membrane is specially dedicated for complicated roofing solutions and constructions in most demanding climatic conditions.



Inside application of Eurovent CLIMA  
– as vapor barrier in the attic.

## Application:

Eurovent CLIMA can be used in residential and industrial buildings as vapor control layer to protect thermal insulation against penetration of water vapor. Unique properties of the product allow active regulation of vapor transfer, which in turn prevents from fungus and mold issues, and also problems with wood construction damage.

We strongly recommend that the overlaps are tightly sealed with dedicated Eurovent tape.

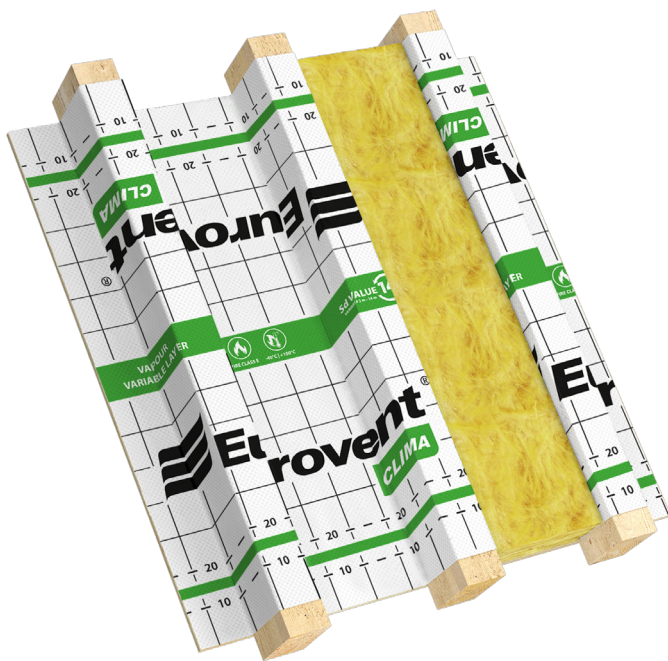
## Benefits of CLIMA:

- Active vapor barrier
- Resistant to tearing
- Air tight barrier
- Resistant to UV
- Quick and easy application

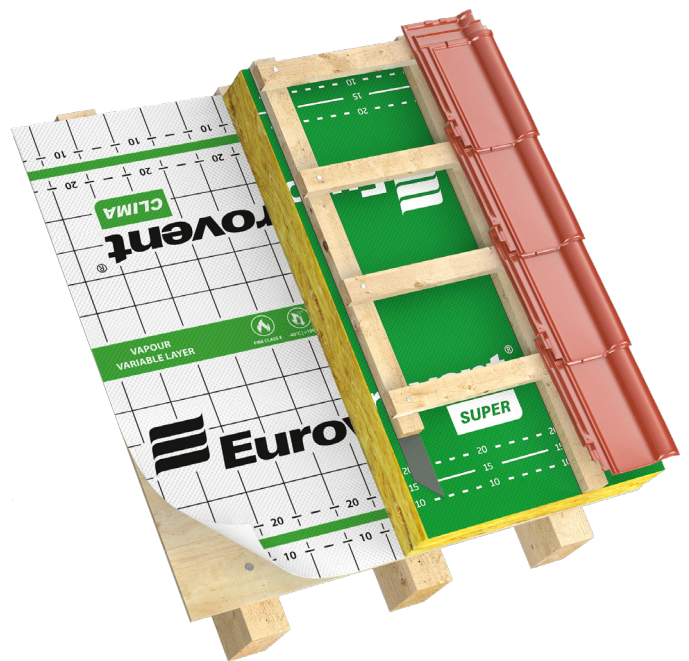
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## additional application

Additionally Eurovent CLIMA can be used in renovation and heat modernization of roofs from the outside. Some roofs require repairs or additional insulation, but this work cannot be done from the inside of the building. Now, thanks to Eurovent CLIMA such repairs can be done from the outside. After dismantling the roof tile, set up boarding, and after that (or if old boarding is still available) place Eurovent CLIMA, thermic insulation, roof membrane, counter-laths, laths and roofing.



Outside application of Eurovent CLIMA  
- in roof and attic renovation



Outside application of Eurovent CLIMA  
- in roof renovation, as insulation of mineral  
wool assembled on old boarding

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## declaration of performance

Declared performance of Eurovent CLIMA based on test results no 15315-07/09/2010 taken in BTTG Testing & Certification Ltd. Unit 14, Wheel Forge Way Ashburton Road West Trafford Park Manchester.

Characteristic	Harmonized technical specification	Values
Reaction to fire	EN 13984:2013	E
Resistance to water penetration	EN 13984:2013	Meets the requirements at 2kPa
Water vapour resistance Sd	EN 13984:2013	≥8m +/-2m
Air permeability	-	<0,06 (m <sup>3</sup> /m <sup>2</sup> .h.100Pa)
Impact resistance	EN 13984:2013	NPD
Durability of connection	EN 13984:2013	NPD
Tensile strength MD	EN 13984:2013	≥160 N/50 mm (+/- 90 N/50 mm)
Tensile strength CD	EN 13984:2013	≥120 N/50 mm (+/- 90 N/50 mm)
Elongation MD	EN 13984:2013	≤90%
Elongation CD	EN 13984:2013	≤90%
Tearing Resistance MD	EN 13984:2013	≥100 N (+/- 60 N)
Tearing Resistance CD	EN 13984:2013	≥100 N(+/- 60 N)
Durability		
Ageing	EN 13984:2013	Meets the requirements
Chemical resistance	EN 13984:2013	Meets the requirements
Dangerous substances	EN 13984:2013	NPD

### Advantages:

- Smart adjustment of the humidity – variable Sd value
- Air infiltration barrier
- Supreme security of thermal insulation
- Best protection against damage and mold, especially in case of unforeseen humidity
- Particularly large, effective in all weather conditions, variable diffusion resistance  
(in winter insulation is 40x more tight than in the summer)

WE  
DEVELOP  
ROOFING  
IDEAS

# CLIMA

## SYSTEM SK2 and complementary products

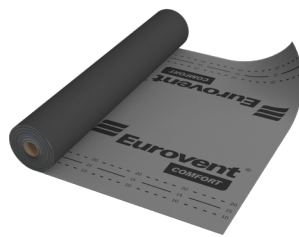
Eurovent CLIMA is available in SYSTEM SK2 with two self-adhesive tapes for faster and easier application and proof roofing system.

SK2 assembly system is based on two integrated self-adhesive tapes. This solution facilitates installation and guarantees proper sealing of overlaps. Two complementary tapes enable durable connection of membranes in all weather conditions: at high humidity, during strong winds, in the rain, at low temperatures, on a heavily soiled membrane's surface.



To gain proper sealing of overlaps, use the line which is 10 cm from the membranes edge

**Complementary products are the hi-tech elements which are indispensable for proper performance of full roofing program:**



### COMFORT

Three-layer vapour-permeable roof membrane with extreme resistance to tearing.



### DUO

High adhesive, double-sided, solvent-free tape



### UNO

Reinforced single-sided tape.



### UNISAN

Excellent adhesive strength tape with high resistance to moisture - installation without cutting knife.

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