

# VAPOR EVO 190



## HIGH PERFORMANCE VAPOUR CONTROL MEMBRANE

### NEW GENERATION

It is part of the EVO membrane family because it contains a special film that ensures durability and high UV stability.

### UV STABILITY

Its formulation achieves UV stability for up to 6 months, offering maximum protection to the roof and underlying structure.

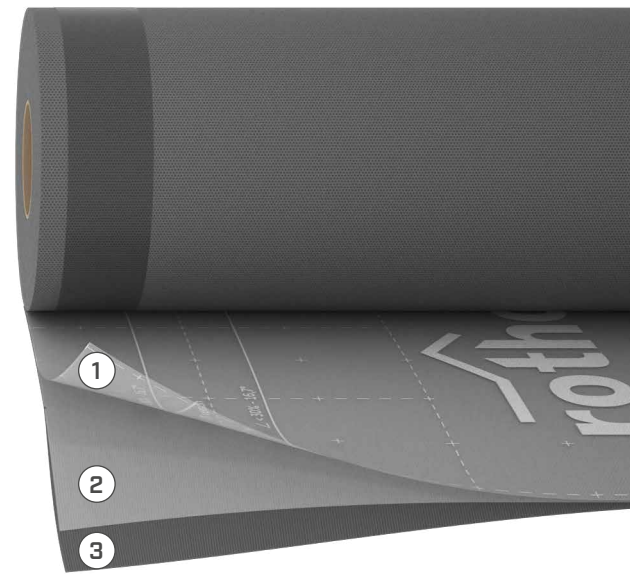
### HIGH THERMAL RESISTANCE

The special mix of the functional film allows the product to guarantee its performance even when subjected to high thermal stress in extreme climatic conditions.



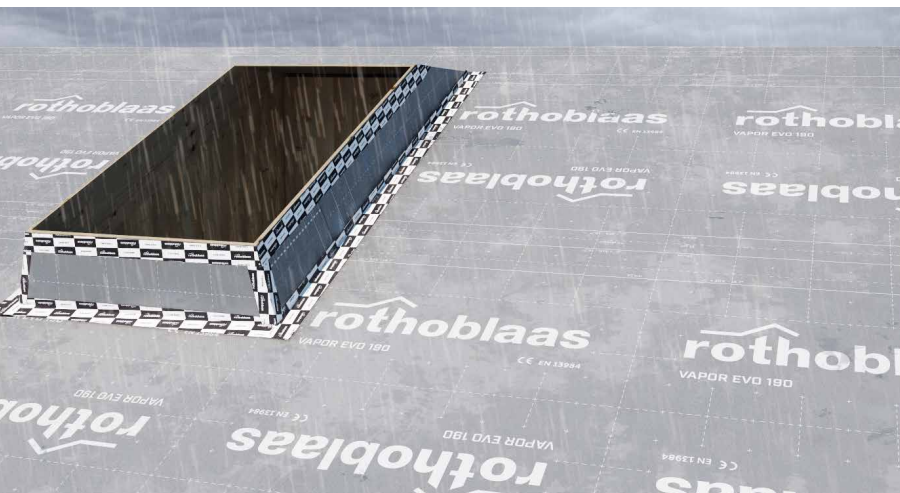
## COMPOSITION

- ① top layer: highly UV-stable non-woven PP fabric
- ② middle layer: EVO PE functional film
- ③ bottom layer: non-woven PP fabric



## CODES AND DIMENSIONS

| CODE      | description      | tape | H<br>[m] | L<br>[m] | A<br>[m <sup>2</sup> ] | H<br>[ft] | L<br>[ft] | A<br>[ft <sup>2</sup> ] |    |
|-----------|------------------|------|----------|----------|------------------------|-----------|-----------|-------------------------|----|
| VEVO190   | VAPOR EVO 190    | -    | 1,5      | 50       | 75                     | 5         | 164       | 807                     | 20 |
| VTTEVO190 | VAPOR EVO 190 TT | TT   | 1,5      | 50       | 75                     | 5         | 164       | 807                     | 20 |



### PROTECTION

Maximum protection against wear and heavy rain during installation/construction. The monolithic film ensures impermeability even under high mechanical wear and tear and contact with aggressive chemicals.

### SECURE SEALING

Installation and sealant can be done perfectly, thanks to integrated double tape and the adherence offered by the lower support fabric.

## TECHNICAL DATA

| Properties                                      | standard           | value  | USC units                      |
|---|--------------------|--|--------------------------------|
| Mass per unit area                              | EN 1849-2          | 190 g/m <sup>2</sup>                         | 0.62 oz/ft <sup>2</sup>        |
| Thickness                                       | EN 1849-2          | 0,6 mm                                       | 24 mil                         |
| Water vapour transmission (Sd)                  | EN 1931            | 5 m  | 0.7 US Perm                    |
| Maximum tensile force MD/CD <sup>(1)</sup>      | EN 12311-2         | 480/500 N/50 mm                              | 55/57 lbf/in                   |
| Elongation MD/CD <sup>(1)</sup>                 | EN 12311-2         | 65/65 %                                      | -                              |
| Resistance to nail tearing MD/CD <sup>(1)</sup> | EN 12310-1         | 265/320 N                                    | 60/72 lbf                      |
| Watertightness                                  | EN 1928            | compliant                                    | -                              |
| Water vapour resistance:                        |                    |  |                                |
| - after artificial ageing                       | EN 1296/EN 1931    | compliant                                    | -                              |
| - in the presence of alkalis                    | EN 1847/EN 12311-2 | npd  | -                              |
| Reaction to fire                                | EN 13501-1         | class E                                      | -                              |
| Resistance to penetration of air                | EN 12114           | <0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa) | 0 cfm/ft <sup>2</sup> at 50Pa  |
| Resistance to temperature                       | -                  | 40/100 °C                                    | 104/212 F                      |
| UV stability <sup>(2)</sup>                     | EN 13859-1/2       | 1000 h (8 months)                            | -                              |
| Water column                                    | ISO 811            | 600 cm                                       | 236 in                         |
| Thermal conductivity (λ)                        | -                  | 0,3 W/(m·K)                                  | 0.17 BTU/h·ft·°F               |
| Specific heat                                   | -                  | 1700 J/(kg·K)                                | -                              |
| Density   | -                  | approx. 316 kg/m <sup>3</sup>                | approx. 20 lbm/ft <sup>3</sup> |
| Water vapour resistance factor (μ)              | -                  | approx. 8300                                 | approx. 25 MNs/g               |
| VOC   | -                  | not relevant                                 | -                              |
| Joint strength                                  | EN 12317-2         | 150 N/50 mm                                  | 17 lbf/in                      |

<sup>(1)</sup> Average values obtained from laboratory tests. Consult the Declaration of Performance for the minimum values.

<sup>(2)</sup> Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 10 weeks.

 Waste classification (2014/955/EU): 17 02 03.

## RELATED PRODUCTS



FLEXI BAND UV  
page 80



NAIL PLASTER  
page 134



LIZARD  
page 388



BLACK BAND  
page 144



### THERMAL AND CHEMICAL STABILITY

Resistant up to 100°C, it is not affected by chemicals that it may come into contact with during roof work or through pollution in the air.