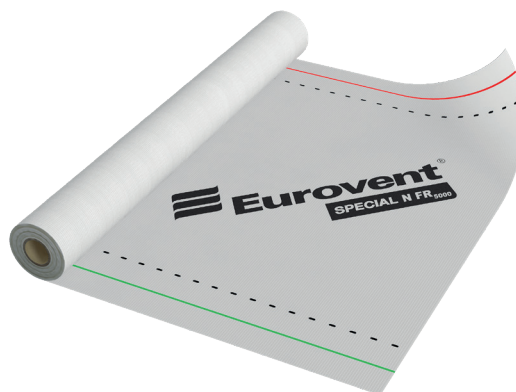


TECHNICAL DATA SHEET

**Eurovent SPECIAL N FR<sub>5000</sub>**

Reinforced vapour-insulation roof and facade foil. Made of polymer foil and HDPE mesh which ensures increased resistance to tearing. Eurovent Special N FR5000 is available in two weights: 110 g/m<sup>2</sup> and 140 g/m<sup>2</sup>. The product has got elevated fire retardance which meets the requirements of new legislation of Dubai Municipality „Circular 215“. Eurovent® SPECIAL N FR<sub>5000</sub> reached the fire reaction classification of B-s1, d0 according to the EN 13501. At the same time the product is air-, vapour- and watertight, reduces the condensation risk. It prevents the insulation against warm, moist air escaping from inside of the building. The vapour barrier is recommended to be applied both in new constructions and renovation projects.



PARAMETER	NORM	VALUE SPECIAL 110 N FR <sub>5000</sub>	VALUE SPECIAL 140 N FR <sub>5000</sub>
Water vapour transmission		≥ 250 MNs/g	≥ 550 MNs/g
Reaction to fire	EN 13501-1	B-s1, d0	B-s1, d0
Sd Value	EN 1931	≥ 50 m	≥ 110 m
UV protection		Up to 3 months*	Up to 3 months*
Mass per unit	EN 1849-2	110 g/m <sup>2</sup> (+/-10%)	140 g/m <sup>2</sup> (+/-10%)
Water tightness	EN 1928	W1	W1
Tensile strength MD	EN 12311-2	200 N/50 mm	200 N/50 mm
Tensile strength CD	EN 12311-2	130 N/50 mm	135 N/50 mm
Elongation MD	EN 12310-1	15 %	19 %
Elongation CD	EN 12310-1	16 %	17 %
Tearing Resistance MD	EN 12310-1	≥ 110 N (+/-10%)	≥ 110 N (+/-10%)
Tearing Resistance CD	EN 12310-1	≥ 110 N (+/-10%)	≥ 110 N (+/-10%)
Roll size	EN 1849-2	2 m x 50 m (+/-2%)	2 m x 50 m (+/-2%)

**Advantages:**

- Fire retardant • Tear resistant • UV protection • Watertight
- Suitable for roof, wall and floor installations • Fast and easy installation

## Eurovent SPECIAL N FR<sub>5000</sub>

### Application:

It is used as a vapor barrier foil protecting against penetration of water vapor and moisture in vertical wall constructions as well as in inclined and flat roofs. It can be also used for floor and ceiling application to protect either thermal or acoustic isolation against any moisture. It is strongly recommended that the overlaps are tightly sealed with dedicated Eurovent tape.

### Storage / transport:

The product should be stored in a dry place, under cover, free from moisture and UV radiation in original undamaged and closed package. Rolls should be transported in covered means of transport. They should be prepared for transport in a manner that protects them from damage and destruction. During transport safety regulations must be observed.

The product should be protected from chemical agents, in particular solvent-based substances, as they can reduce technical parameters of foil or permanently damage it.



*\* UV stabilization even up to 3 months according to artificial ageing performed in the laboratory related to the conditions of average sun exposure for the climate in Central Europe.*

*Contained information, advice and guidance is given based on our knowledge, researches, experience and in good faith. We are not responsible for the consequences of improper or incorrect use of our products. Each user of this material will ensure in every possible way, including an examination of the final product in the relevant conditions, the suitability of supplied materials to achieve the objectives pursued by him.*

Product information can be found on the website: [www.eurovent.de](http://www.eurovent.de)

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