

# TRASPIR EVO 220



Monolithic highly breathable film

Monolithic elastomer (PE) film, extruded between two polypropylene (PP) protective layers

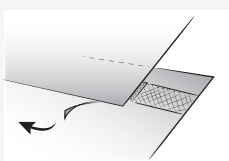
|                                 |                                       |                        |                              |                         |
|---------------------------------|---------------------------------------|------------------------|------------------------------|-------------------------|
| AT<br>Önorm B4119<br>UD do-s ER | FR<br>CPT 3651_2<br>HPV<br>E1-Sd1-TR2 | CH<br>SIA 232<br>UD EB | DE<br>ZVDH<br>UDB-A<br>USB-A | IT<br>UNI 11470<br>A/R3 |
|---------------------------------|---------------------------------------|------------------------|------------------------------|-------------------------|



life long

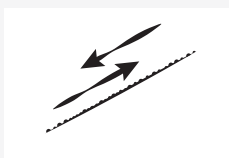
## MONOLITHIC

The monolithic structure of the membrane guarantees excellent durability over time, thanks to the special polymers used



## SUPER TAPE

Greater tape width to guarantee excellent resistance to heavy rain, approved by ÖNORM B 4119



## ANTISLIP

Rough surface for excellent sliding resistance thanks to the double polypropylene coating

## DID YOU KNOW THAT...?

### HIGH MASS PER UNIT AREA

The performance and mass per unit area of this monolithic membrane allow it to meet even the most severe national standards - classified as one of the highest performing membranes.

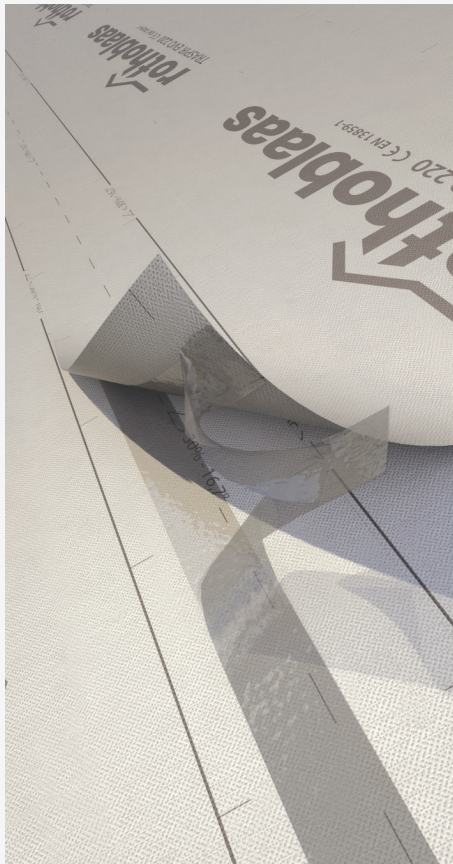
(see "Certifications and compliance" on page 27)

## CODES AND DIMENSIONS

| code      | ex code | description        | tape | H x L [m] | A [m <sup>2</sup> ] | pcs/ |
|-----------|---------|--------------------|------|-----------|---------------------|------|
| TTTEV0220 | D42514  | TRASPIR EVO 220 TT | TT   | 1.5 x 50  | 75                  | 20   |

WHERE CAN IT  
BE APPLIED?





The wider width integrated double tape offers the highest possible protection against heavy rain



During construction, the monolithic film on the tarp guarantees excellent durability, even when exposed to UV rays

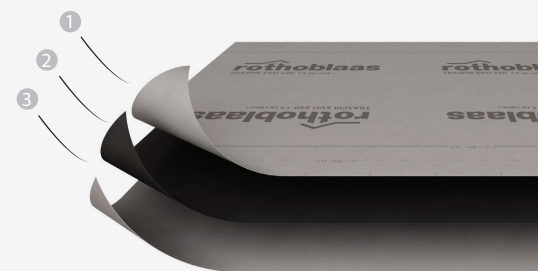


## TECHNICAL SPECIFICATIONS

| property                           | standard               | value                                  |
|------------------------------------|------------------------|----------------------------------------|
| Mass per unit area                 | EN 1849-2              | 220 g/m <sup>2</sup>                   |
| Thickness                          | EN 1849-2              | 1 mm                                   |
| Straightness                       | EN 1848-2              | conforming                             |
| Water vapour transmission (Sd)     | EN 1931 / EN ISO 12572 | 0.08 m                                 |
| Maximum tensile force MD/CD        | EN 12311-1             | 385 / 275 N/50 mm                      |
| Elongation MD/CD                   | EN 12311-1             | 65 / 90 %                              |
| Resistance to tearing MD/CD        | EN 12310-1             | 275 / 310 N                            |
| Watertightness                     | EN 1928                | class W1                               |
| Water column                       | EN 20811               | > 500 cm                               |
| UV resistance *                    | EN 13859-1             | 4 months                               |
| Temperature resistance             | -                      | -40 / +80 °C                           |
| Reaction to fire                   | EN 13501-1             | class E                                |
| Resistance to penetration of air   | EN 12114               | 0 m <sup>3</sup> /m <sup>2</sup> h50Pa |
| After ageing:                      |                        |                                        |
| • maximum tensile force MD/CD      | EN 13859-1             | 315 / 225 N/50 mm                      |
| • watertightness                   | EN 13859-1             | class W1                               |
| • elongation MD/CD                 | EN 13859-1             | 36 / 51 %                              |
| Flexibility at low temperature     | EN 1109                | - 40 °C                                |
| Dimensional stability              | EN 1107-2              | 0 / 0.5 %                              |
| Thermal conductivity (λ)           | -                      | 0.3 W/mK                               |
| Specific heat                      | -                      | 1800 J/kgK                             |
| Density                            | -                      | approx. 220 kg/m <sup>3</sup>          |
| Water vapour resistance factor (μ) | -                      | approx. 80                             |
| Recommended installation pitch     | -                      | > 10°                                  |
| Driving rain test                  | TU Berlin              | passed                                 |
| VOC emissions                      | -                      | 0 % (class A+)                         |
| Joint strength                     | EN 12317-2             | > 250 N/50 mm                          |

\* for more indications, see page 19

## COMPOSITION



- ① top layer: non-woven PP fabric
- ② middle layer: monolithic PE breathable film
- ③ bottom layer: non-woven PP fabric