

# BARRIER ALU 150

2,8m/3,0m

B-s1, d0

CE  
EN13984

## Reflective air vapour barrier Sd 150

Vapour check polythene (PE) film and reinforcing grid with aluminium coating

FR  
DTU 31.2  
pare-  
vapeurCH  
SIA 232  
V.v.u.DE  
ZVDH  
dh.IT  
UNI 11470  
D/R1  
C/R2

TRASPIR

OVT



IN

BARRIER ALU

BARALU150/BARALU15030

Reflects up to 50% of heat

$$R_g = 0,300 \text{ m}^2\text{K/W}^{(1)}$$

BARALU15028B

Reaction to fire in class B-s1, d0

Reflects up to 80% of heat

$$R_g = 0,490 \text{ m}^2\text{K/W}^{(1)}$$

Reinforcing layer, ideal for blowing

## TECHNICAL SPECIFICATIONS

| property                           | standard   | ① BARALU150<br>① BARALU15030              | ② BARALU15028B                         |
|------------------------------------|------------|-------------------------------------------|----------------------------------------|
|                                    |            | value                                     | value                                  |
| Mass per unit area                 | EN 1849-2  | 100 g/m <sup>2</sup>                      | 130 g/m <sup>2</sup>                   |
| Thickness                          | EN 1849-2  | 0.2 mm                                    | 0.2 mm                                 |
| Straightness                       | EN 1848-2  | conforming                                | conforming                             |
| Water vapour transmission (Sd)     | EN 1931    | 150 m                                     | 150 m                                  |
| Maximum tensile force MD/CD        | EN 12311-2 | 230 / 230 N/50 mm                         | 220 / 250 N/50 mm                      |
| Elongation MD/CD                   | EN 12311-2 | 15 / 10 %                                 | 10 / 10 %                              |
| Resistance to tearing MD/CD        | EN 12310-2 | 110 / 110 N                               | 170 / 170 N                            |
| Watertightness                     | EN 1928    | conforming                                | conforming                             |
| Temperature resistance             | -          | -40 / +80 °C                              | -40 / +80 °C                           |
| Reaction to fire                   | EN 13501-1 | class E                                   | class B-s1,d0                          |
| Resistance to penetration of air   | EN 12114   | 0.02 m <sup>3</sup> /m <sup>2</sup> h50Pa | 0 m <sup>3</sup> /m <sup>2</sup> h50Pa |
| Water vapour resistance:           |            |                                           |                                        |
| • after ageing                     | EN 1296    | conforming                                | conforming                             |
| • in the presence of alkalis       | EN 13984   | npd                                       | npd                                    |
| Reflectivity                       | EN 15976   | 50 %                                      | 80 %                                   |
| Thermal conductivity (λ)           | -          | 0.39 W/mK                                 | 0.4 W/mK                               |
| Specific heat                      | -          | 1700 J/kgK                                | 1800 J/kgK                             |
| Density                            | -          | 500 kg/m <sup>3</sup>                     | approx. 650 kg/m <sup>3</sup>          |
| Water vapour resistance factor (μ) | -          | approx. 750000                            | approx. 750000                         |
| Joint strength                     | EN 12317-2 | npd                                       | npd                                    |
| Impact resistance                  | EN 12691   | npd                                       | 200 mm                                 |
| VOC emissions                      | -          | 0 % (class A+)                            | 0 % (class A+)                         |

## COMPOSITION



① top layer: aluminized PE film

② middle layer: reinforcing PE grid

③ bottom layer (2): PE film

### NOTE:

(1) Equivalent thermal resistance 50 mm hollow space, in accordance with ISO 6946 standard

(2) Black bottom layer

## CODES AND DIMENSIONS

| code           | description                | roll     | H x L [m] | A [m <sup>2</sup> ] | pcs/ |
|----------------|----------------------------|----------|-----------|---------------------|------|
| ① BARALU150    | BARRIER ALU 150            | 1,5 x 50 | 1,5 x 50  | 75                  | 80   |
| ① BARALU15030  | BARRIER ALU 150 3,0m       | 3,0 x 50 | 3,0 x 50  | 150                 | 45   |
| ② BARALU15028B | BARRIER ALU 150 2,8m BS1D0 | 1,5 x 25 | 2,8 x 25  | 70                  | 42   |

WHERE CAN IT  
BE APPLIED?