

BARRIER 100

4,0m



Air vapour barrier $S_d > 100 \text{ m}$

Extruded vapour check polythene (PE) film

FR
DTU 31.2
pare-
vapeur

CH
SIA 232
V.v.u.

DE
ZVDH
dh.

IT
UNI 11470
D/R1



TECHNICAL SPECIFICATIONS

property	standard	value
Mass per unit area	EN 1849-2	100 g/m ²
Thickness	EN 1849-2	0.15 mm
Straightness	EN 1848-2	conforming
Water vapour transmission (Sd)	EN 1931	107 m
Maximum tensile force MD/CD	EN 12311-2	150 / 150 N/50 mm
Elongation MD/CD	EN 12311-2	850 / 850 %
Resistance to tearing MD/CD	EN 12310-2	140 / 140 N
Watertightness	EN 1928	conforming
Temperature resistance	-	-40 / +80 °C
Reaction to fire	EN 13501-1	class E
Resistance to penetration of air	EN 12114	0.00 m ³ /m ² h50Pa
Water vapour resistance:		
• after ageing	EN 1296	conforming
• in the presence of alkalis	EN 13984	npd
Thermal conductivity (λ)	-	0.4 W/mK
Specific heat	-	1800 J/kgK
Density	-	approx. 500 kg/m ³
Water vapour resistance factor (μ)	-	approx. 535000
Joint strength	EN 12317-2	npd
Impact resistance	EN 12691	npd
VOC emissions	-	0% (class A+)

COMPOSITION



① single layer: vapour check PE film

CODES AND DIMENSIONS

code	ex code	description	roll [m]	H x L [m]	A [m ²]	pcs/
BAR100	D32102	BARRIER 100	1.5 x 50	1.5 x 50	75	70
BAR10040	D32108	BARRIER 100 4.0m	1.0 x 25	4.0 x 25	100	50

WHERE CAN IT
BE APPLIED?



BARRIER ALU 150/200

2,8m

B-s1, d0

CE
EN13984

Reflective air vapour barrier Sd 150 / 200 m

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

FR
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C/R2
D/R1

TRASPIR

OVT



Version in class B-s1, d0 (BARALU150)

BARALU200: Reflects up to 50% of heat

BARALU150: Reflects up to 80% of heat

Equivalent thermal resistance 50 mm hollow space

BARALU200: $R_g = 0.300 \text{ m}^2\text{K/W}$ (ISO 6946)

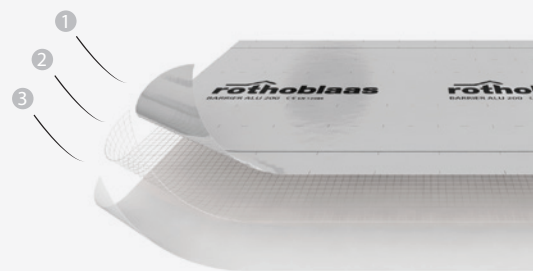
BARALU150: $R_g = 0.490 \text{ m}^2\text{K/W}$ (ISO 6946)

Reinforcing layer, ideal for blowing

TECHNICAL SPECIFICATIONS

property	standard	① BARALU200	② BARALU15028B
		value	value
Mass per unit area	EN 1849-2	100 g/m ²	130 g/m ²
Thickness	EN 1849-2	0.2 mm	0.2 mm
Straightness	EN 1848-2	conforming	conforming
Water vapour transmission (Sd)	EN 1931	200 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 / 15 %	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 ³ /m ² h50Pa	0 m ³ /m ² 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)	-	0.4 W/mK	0.4 W/mK
Specific heat	-	1800 J/kgK	1800 J/kgK
Density	-	500 kg/m ³	approx. 650 kg/m ³
Water vapour resistance factor (μ)	-	approx. 1000000	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 BARALU200



① top layer: aluminized PE film

② middle layer: reinforcing PE grid

③ bottom layer: PE film

NOTE: BARALU150, black bottom layer

CODES AND DIMENSIONS

code	ex code	description	tape	H x L [m]	A [m ²]	pcs/
① BARALU200	D34202	BARRIER ALU 200	-	1.5 x 50	75	80
② BARALU15028B	D32109	BARRIER ALU 150 2.8m BS1D0	-	2.8 x 50	140	36

WHERE CAN IT
BE APPLIED?

