

CLIMA CONTROL 105

MEMBRANE WITH VARIABLE VAPOUR DIFFUSION



AUS
AS/NZS
4200.1
Class 2
Class 4

CH
SIA 232
Vv.u.

D
ZVDH
FV
DIN 68800-2

F
DTU 31.2
Bs dbe

I
UNI 11470
D/R1

USA
IRC
Class 2
vp



WIDE RANGE

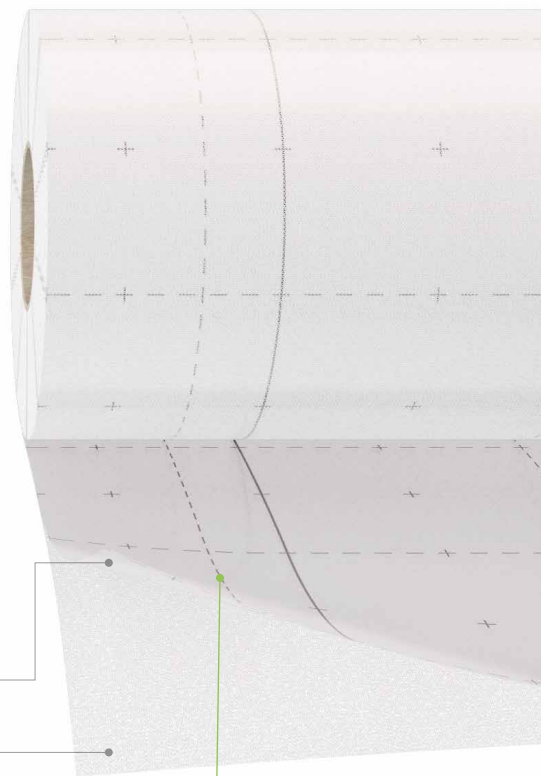
Highly variable vapour diffusion resistance (0.1 - 20 m) that gives the product the ability to adapt to the hygrometric conditions of the structure.

EASY INSTALLATION

Thanks to its transparency, the membrane is immediately installed on the substructure.

RELIABLE

The special PA film ensures maximum protection for walls and excellent security in insulation.



VARIABLE SD

COMPOSITION

top layer
PA functional film

bottom layer
non-woven PP fabric

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
CLIMA105	CLIMA CONTROL 105	-	1,5	50	75	4.93	165	808	36



SMART

Is breathable when internal relative humidity is too high, and serves as a vapour control layer when internal humidity is at suitable levels.

RETROFIT

Thanks to its ability to adapt vapour diffusion according to the hygrometric conditions of the materials it comes into contact with, it is ideal for energy refurbishment of existing buildings.

TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	105 g/m ²	0.34 oz/ft ²
Thickness	EN 1849-2	0,4 mm	16 mil
Variable water vapour transmission (Sd)	EN 1931	0,1 / 20 m	35 / 0.175 US perm
Maximum tensile force MD/CD	EN 12311-2	> 175 / 150 N/50mm	> 20 / 17 lb/in
Elongation MD/CD	EN 12311-2	> 60 / 60 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 140 / 150 N	> 31 / 34 lbf
Watertightness	EN 1928	npd	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	0 m ³ /(m ² h50Pa)	0 cfm/ft ² at 50Pa
Water vapour resistance:			
- after artificial ageing	EN 1296 / EN 1931	conforming	-
- in the presence of alkalis	EN 1847 / EN 12311-2	npd	-
Thermal conductivity (λ)	-	0,2 W/(m·K)	0.12 BTU/h·ft·°F
Specific heat	-	1700 J/(kg·K)	-
Density	-	approx. 263 kg/m ³	0.15 oz/in ³
Variable water vapour resistance factor (μ)	-	250 / 50000	0.5/100 MNs/g
VOC content	-	0 %	-
Indirect exposure to UV rays	-	2 weeks	-



TRANSPARENT

The transparency of the product makes it easy to identify the strut when it is installed directly on the framed structure.