

# CLIMA CONTROL NET 145



## MEMBRANE WITH VARIABLE VAPOUR DIFFUSION AND REINFORCEMENT GRID

**AUS**  
AS/NZS  
4200.1  
Class 2  
Class 3

**CH**  
SIA 232  
Vvu.

**D**  
ZVDH  
FV  
DIN 4108-3  
DIN 68800-2

**F**  
DTU 31.2  
Bs dve

**I**  
UNI 11470  
B/R3

**USA**  
IRC  
Class 2  
vp



### ENERGY RECONDITIONING

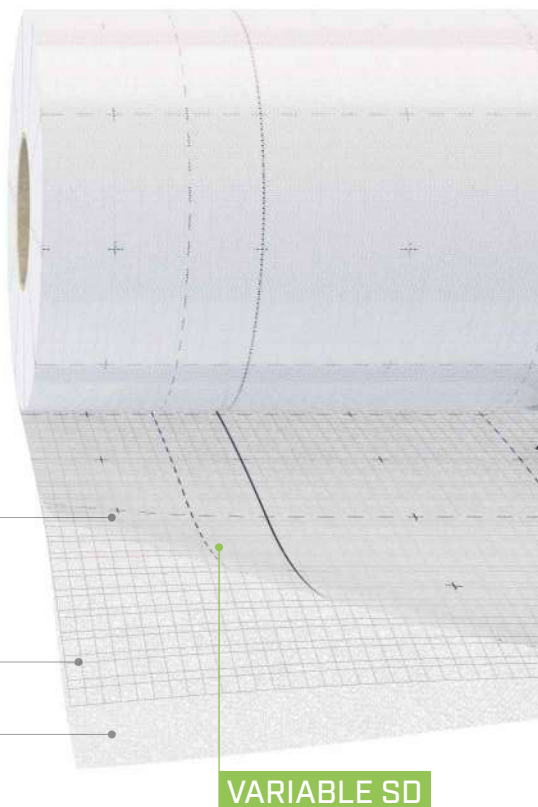
Ideal to increase energy performance for packages and solutions for re-conditioning of existing structures.

### VARIABLE DIFFUSION

Variable resistance to vapour diffusion: maximum protection for walls and excellent security in insulation.

### BLOWING

The reinforcement grid offers great resistance to the membrane, even in the event of pressure caused by the insulating material being blown.




## COMPOSITION

top layer  
PA functional film

reinforcing layer  
PE reinforcing grid

bottom layer  
non-woven PP fabric

## CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m <sup>2</sup> ]	[ft]	[ft]	[ft <sup>2</sup> ]	
CLIMA145	CLIMA CONTROL NET 145	-	1,5	50	75	5	164	807	36



### REINFORCING GRID

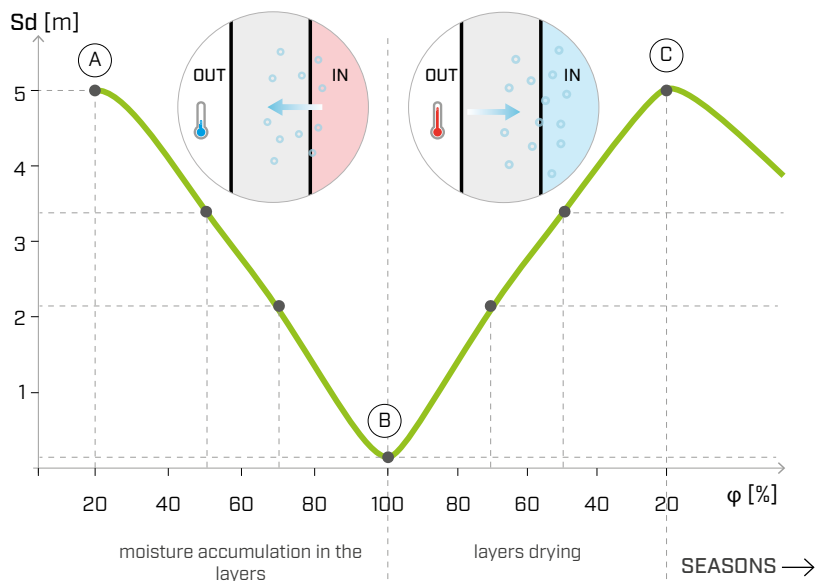
The reinforcement grid ensures excellent dimensional stability even when laid on a soft, non-continuous support and therefore with possible mechanical stresses.

### SAFETY

During installation of the insulation layer by means of blowing, mechanical stresses are created which the reinforcement grid can compensate for.

## TECHNICAL DATA

Properties	standard	value	value
Mass per unit area	EN 1849-2	145 g/m <sup>2</sup>	0.48 oz/ft <sup>2</sup>
Thickness	EN 1849-2	0,6 mm	24 mil
Variable water vapour transmission (Sd)	EN 1931	0,15 / 5 m	23 / 0.7 US perm
Maximum tensile force MD/CD	EN 12311-2	> 440 / 400 N/50mm	50 / 46 lb/in
Elongation MD/CD	EN 12311-2	> 15 / 15 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 300 / 250 N	67 / 56 lbf
Watertightness	EN 1928	conforming	-
Indirect exposure to UV rays	-	2 weeks	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa)	< 0.001 cfm/ft <sup>2</sup> 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)	-	approx. 0,2 W/(m K)	0.12 BTU/h-ft°F
Specific heat	-	approx. 1700 J/(kg·K)	-
Density	-	approx. 245 kg/m <sup>3</sup>	approx. 0.14 oz/in <sup>3</sup>
Variable water vapour resistance factor (μ)	-	approx. 250 / 8333	approx. 0.75/25 MNs/g
VOC content	-	0 %	-



- Ⓐ **DRY LAYERS : Sd 5 m**  
maximum protection - vapour control layer to limit the passage of vapour in view of the season when moisture accumulates within the layers
- Ⓑ **HUMID LAYERS : Sd 0,15 m**  
maximum breathability - breathable membrane to allow drying during the reverse steam diffusion phenomenon
- Ⓒ **DRY LAYERS : Sd 5 m**  
maximum protection for the start of a new year and a new cycle



## TRANSPARENCY

Easy to install thanks to the slightly transparent structure, it allows the interception of the underlying structure.