

MEMBRANE WITH VARIABLE VAPOUR DIFFUSION

- If it comes into contact with a high amount of moisture, it changes from a vapour barrier to a breathable product, ensuring that the structure dries out
- Tested by external scientific bodies who have also simulated its behaviour in real conditions
- Ideal to increase energy performance for reconditioning existing structures

D
ZVDH
IV
DIN 4108-3
DIN 68800-2

F
DTU 31.2
Bs dve

I
UNI
11470
D/R1

AUS
AS/NZS 4200.1
Class 2
Class 3

USA
IRC
Class2
vp



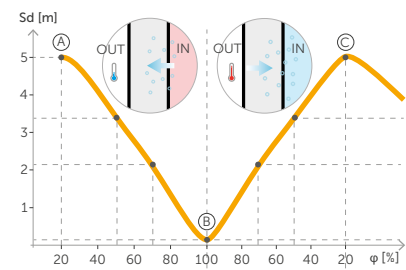
CODE	tape	H [m]	L [m]	A [m²]	pcs
ADAPT80	-	1,5	50	75	81

COMPOSITION

- ① top layer: PA functional film
- ② bottom layer: non-woven PP fabric

TECHNICAL DATA

properties	standard	value
mass per unit area	EN 1849-2	80 g/m²
thickness	EN 1849-2	0,22 mm
variable water vapour transmission (Sd)	EN 1931	0,15 / 5 m
dry/wet cup water vapour transmission	ASTM E96/ E96M	1.86/10.6 US perm 106/605 ng/(s·m²·Pa)
MD/CD tensile strength	EN 12311-2	> 120 / 90 N/50mm
MD/CD elongation	EN 12311-2	50 / 50 %
resistance to nail tearing MD/CD	EN 12310-1	> 40 / 40 N
watertightness	EN 1928	conforming
indirect exposure to UV rays	-	2 weeks
thermal resistance	-	-20 / 80 °C
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,02 m³/(m²h50Pa)
vapour barrier	ASTM E 2178-13	conforming
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)
specific heat	-	1700 J/(kg·K)
density	-	approx. 400 kg/m³
variable water vapour resistance factor (μ)	-	approx. 1000 / 25000
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