

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
- Voluntary environmental certifications EPD and LCA

D
ZVDH
IV
DIN 4108-3
DIN 68800-2F
DTU 31.2
Bs dveI
UNI
11470
D/R1AUS
AS/NZS 4200.1
Class 2
Class 3USA
IRC
Class2
vp
 Data sheet
available online

 VARIABLE Sd

 SEE-THROUGH

CODE	tape	H [m]	L [m]	A [m ²]	
ADAPT80	-	1,5	50	75	81

COMPOSITION

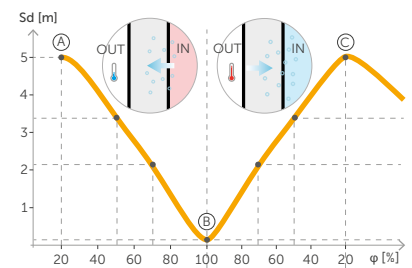
- ① top layer: PA functional film
- ② bottom layer: non-woven PP fabric

TECHNICAL DATA

properties	standard	value
mass per unit area	EN 1849-2	80 g/m ²
thickness	EN 1849-2	0,22 mm
variable water vapour transmission (Sd)	EN 1931/EN ISO 12572	0,15/5 m
tensile strength MD/CD	EN 12311-2	> 120/90 N/50 mm
elongation MD/CD	EN 12311-2	50/50 %
resistance to nail tearing MD/CD	EN 12310-1	> 40/40 N
watertightness	EN 1928	compliant
water vapour resistance:		
- after artificial ageing	EN 1296/EN 1931	compliant
- in the presence of alkalis	EN 1847/EN 12311-2	npd
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)
resistance to temperature	-	-20/80 °C
indirect exposure to UV rays	-	2 weeks
thermal conductivity (λ)	-	0,2 W/(m·K)
specific heat	-	1700 J/(kg·K)
density	-	approx. 400 kg/m ³
variable water vapour resistance factor (μ)	-	approx. 1000/25000
VOC	-	0 %

 Waste classification (2014/955/EU): 17 02 03.

USA and CA Properties	standard	value
water vapour transmission (dry cup)	ASTM E96/ E96M	1.86/10.6 US Perm 106/605 ng/(s·m ² ·Pa)
water vapour transmission (wet cup)	ASTM E96/ E96M	1.86/10.6 US Perm 106/605 ng/(s·m ² ·Pa)
airtightness	ASTM E 2178-13	compliant < 0.02 L/(sm ²) at 75Pa



- A) 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
- B) HUMID LAYERS: Sd 0,15 m**
maximum breathability - breathable membrane to allow drying during the reverse vapour diffusion phenomenon
- C) DRY LAYERS: Sd 5 m**
maximum protection for the start of a new year and a new cycle