VAPOR 225

VAPOUR CONTROL MEMBRANE

LCA

EN 13984

AUS AS/NZS 4200.1 Class 2 | USA IRC Class2 | A Önorm B3667 DB | CH SIA 232 V_{WL} V_{WD}>90mm | D ZVDH Db | F DTU 31.2 Bs dve E1 Sd2 TR3 | I UNI 11470 A/R3

ABRASION RESISTANCE

RELIABLE

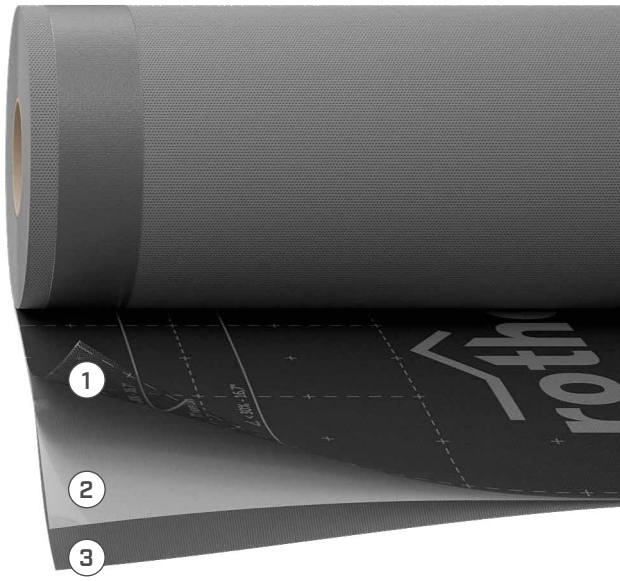
The mass per unit area of the membrane provides mechanical strength and protection during construction.

PROTECTION

It is also suitable for applications on uneven and rough supports, which could damage lighter vapour control layers.

COST/PERFORMANCE

Cost-effective membrane, ensuring high performance and protection against weathering.

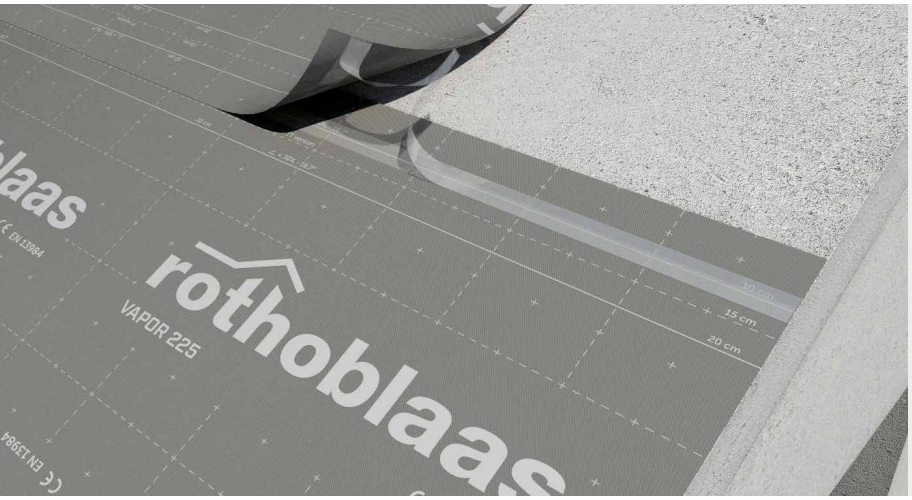


COMPOSITION

1. **top layer:** non-woven PP fabric
2. **middle layer:** vapour control PP film
3. **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]*	
V225	VAPOR 225	-	1,5	50	75	*5*	*164*	*807*	20
VTT225	VAPOR 225 TT	TT	1,5	50	75	*5*	*164*	*807*	20



SECURE SEALING

The TT version offers fast installation and professional sealing thanks to the integrated double tape.

FLEXIBILITY

Although the membrane is very thick and resistant, its composition ensures great flexibility in processing without the risk of material wear.

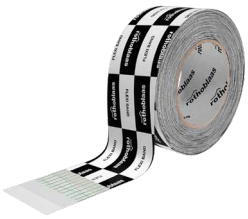
TECHNICAL DATA

Properties	standard	value	*USC units*
Mass per unit area	EN 1849-2	225 g/m^2	*0.74 oz/ft^2*
Thickness	EN 1849-2	0,8 mm	*31 mil*
Water vapour transmission (Sd)	EN 1931	4 m	*0.87 US Perm*
Tensile strength MD/CD	EN 12311-2	> 380/300 N/50 mm	*> 43/34 lbf/in*
Elongation MD/CD	EN 12311-2	60/80 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 225/300 N	*> 51/67 lbf*
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)	*< 0.001 cfm/ft^2 at 50Pa*
Resistance to temperature	-	-20/80 °C	*-4/176 °F*
UV stability(1)	EN 13859-1/2	336h (3 months)	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	*0.17 BTU/h·ft·°F*
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 280 kg/m^3	*approx. 17 lbm/ft^3*
Water vapour resistance factor (μ)	-	approx. 5000	*approx. 20 MNs/g*
VOC	-	not relevant	-
Water column	ISO 811	> 500 cm	*> 197 in*

(1) Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 4 weeks.

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

RELATED PRODUCTS



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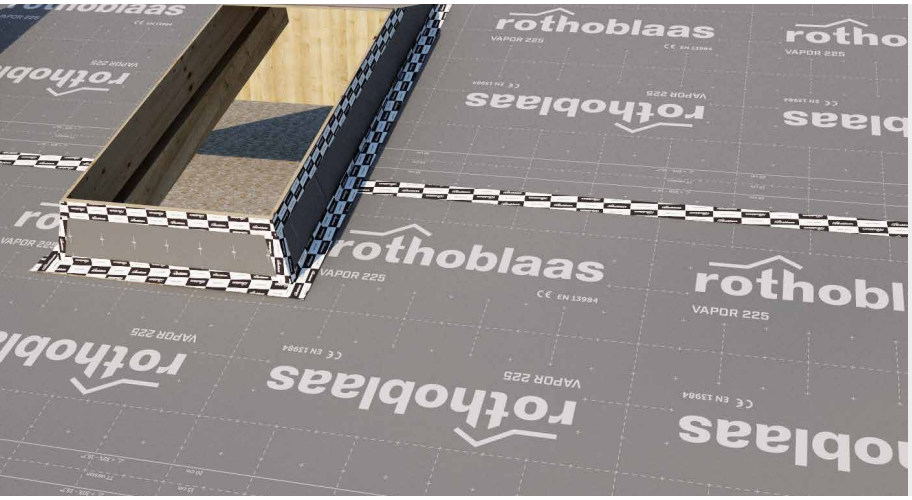

WEAR RESISTANCE

Thanks to its high mass per unit area, it ranks among the most strongest vapour control layers on the market, providing protection for common construction phases.