

EXOPERM™ 150 MONO

MONOLITHIC BREATHABLE MEMBRANE



Technical Data

Description	Standard	Performance
Weight	EN-1849-2	150 g/m ²
Colour		Anthracite
SD-Value	EN 12572-C	0.07 m
g value		0.35 MNs/g
Vapour Permeance	ASTM E96	42.90
Surface Burning	ASTM E96	Class A
Reaction to fire	EN 13501-1	E
Air tightness (100 Pa)	EN 12114	0.001 m ³ /m ² , h,Pa
Water resistance	EN 1928	W1 (Before & after ageing)
Tensile strength MD/CD*	EN 12311-1	255 / 145 N / 50mm
Elongation MD/CD*	EN 12311-1	65 % / 70 %
Nail tear resistance MD/CD*	EN 12310-1	130 / 160 N
Temperature resistance		-40°C to 80°C
CE labelling	EN 13859-1; 2	Available
UV Resistance	Wall	6 months
	Roof	4 months
Hazardous substances		None
Minimum roof slope		10°
Artificial ageing by UV and heat:	EN 1296 / EN 1297	Passed

*MD = longitudinal CD = transversal

Monolithic Technology

3-Ply sarking, roof underlay and wind barrier with **Next Generation Monolithic TPE functional layer**.

TPE membrane actively moves moisture to outside. The **TPE functional layer** located in the middle of the product, is vapor open whilst having excellent water-proofing properties.

Excellent aging resistance due to monolithic technology. Integrated tapes available in **Connex** version ensure optimum windtightness.

This Monolithic TPE layer results in a stronger, more flexible membrane with greater resistance to corrosion and abrasion compared to the micro-porous membranes that are prevalent on the market.

More importantly the Monolithic TPE layer creates a complete wind tight, waterproof membrane that actively expels out any water/ humidity unlike most micro-porous membranes that rely on small pores (which have the tendency to block).

- ✓ STRONGER
- ✓ LONGER LASTING
- ✓ WINDTIGHT
- ✓ WATERPROOF



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EXOPERM™ 150 MONO

Advantages

- √ Monolithic Technology
- √ Ideal Airtightness and Vapour transmission
- √ Elastic and Durable
- √ Optimal UV stability
- √ Long term resistance to driving rain
- √ Windproof / Diffusion open
- √ BBA Pending

General Conditions

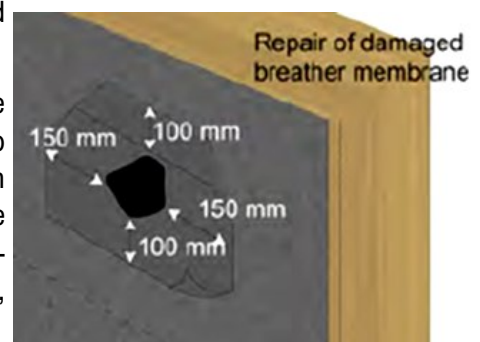
Partel **EXOPERM MONO** membranes should be laid with the printed side facing the installer.

Membranes are suitable as roofing/decking underlays. They are resistant to driving rain and wind. Apply onto the existing support structure, parallel to eaves with overlaps of 100mm (4") in a taught manner. It should be nailed or screwed under the overlapped section. Tape all joints using **CONEXO**, **ECHOSEAL** or **VARASEAL** or with 2 integrated tapes (CONNEX version). Use Nail seal underneath all battens.

Penetrations should be sealed using KABSEAL or BUTAFLEX and edge connections can be sealed with ACRABOND, ACRALINE or Partel tapes. Cross battens are recommended for ventilation and additional security.

Wall membranes are suitable only for wall installation. Roof membranes can be used on walls and roof. Partel membranes can be used as temporary roof cover for 3 months, roof pitch must be 15° or greater. During installation membranes should be immediately secured or fixed down to avoid wind damage.

Connection joints should be free from tensile strain. Acrylic base adhesive tapes are pressure activated, sufficient pressure is required to ensure a long lasting bond. A smoother physical substrate will result in optimum adhesion between tape and surface. It is the responsibility of the applicator to check the substrate for suitability, adhesion tests are recommended in non standard situations. Use Acraprime to prime all rough, porous or dusty surfaces.



"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit partel.com for the most up to date information"

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