



Technical Data

| Description | Standard | Performance |
|-----------------------------------|-------------------|---|
| Weight | EN-1849-2 | 140 g/m ² |
| Colour | | Anthracite |
| SD-Value | EN ISO 12572-C | 0.07 m |
| 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 | 305 / 175 N / 50mm |
| Elongation MD/CD* | EN 12311-1 | 65 % / 70 % |
| Nail tear resistance MD/CD* | EN 12310-1 | 155 N / 190 N |
| Temperature resistance | | -40°C to 80°C |
| CE labelling | EN 13859-1; 2 | Available |
| UV Resistance | | 3 months |
| Hazardous substances | | None |
| Minimum roof slope | | 10° |
| Artificial ageing by UV and heat: | EN 1296 / EN 1297 | Passed |

*MD = longitudinal CD = transversal

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Advantages

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

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 **Connect** 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



EN 13859-1; 2



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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** or **VARASEAL** or with 2 integrated tapes (CONNECT 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.

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