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PetroDPC Self-Adhesive Bitumen DPC

Peel-and-stick bitumen damp-proof course rolls for walls, plinths and foundations

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Description

PetroDPC is a self-adhesive bitumen damp-proof course (DPC) membrane manufactured by Petroseal Enterprises in Lahore. It is laid at plinth level and at grade transitions to form a continuous barrier against rising capillary moisture in brick and block masonry.

The membrane is a 1.5 mm SBS-modified bitumen compound on a cross-laminated HDPE film, with a release liner over the adhesive face. Application is cold peel-and-stick, so no propane torch is needed on site. Rolls are produced in widths that match standard Pakistani wall courses.

Typical uses

- DPC course at plinth / ground-floor level
- Cavity wall and partition damp barriers
- Foundation and basement-grade transitions
- Retaining wall and planter damp isolation

Features & benefits

- Self-adhesive, so there is no open flame on site
- Widths of 4.5", 9" and 13" suit standard wall courses
- 15 m roll length for continuous DPC runs
- Resists capillary moisture in brick and block walls
- Flexible down to −30 °C and stable up to +70 °C
- Compatible with mortar beds at plinth and grade lines

Product data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Roll width	EN 1848-1	in (mm)	4.5" (114) / 9" (229) / 13" (330)
Roll length	EN 1848-1	m	15
Application method	—	—	Self-adhesive (peel & stick)
Composition	—	—	SBS-modified bitumen on cross-laminated HDPE film
Effective thickness	EN 1849-1	mm	1.5 ± 0.08
Top surface / underside	—	—	HDPE film / silicone release liner
Colour	—	—	Black

Performance

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Maximum tensile force L / T	EN 12311-1	N/50 mm	≥ 200 / ≥ 200
Elongation at maximum force L / T	EN 12311-1	%	≥ 150 / ≥ 150
Resistance to tear (nail shank) L / T	EN 12310-1	N	≥ 100 / ≥ 100

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Joint shear resistance L / T	EN 12317-1	N/50 mm	≥ 200 / ≥ 200
Watertightness (24 h at 60 kPa)	EN 1928, method B	—	Pass
Flexibility at low temperature	EN 1109	°C	≤ −30
Flow resistance at elevated temperature	EN 1110	°C	≥ +70
Water vapour resistance Sd	EN 1931	m	100 – 200
Adhesion to self (lap)	Peel test	N/m	≈ 1,100
Reaction to fire	EN 13501-1	Class	E

Application guidance

- Lay on dry, clean masonry or mortar bed. Remove dust, loose mortar and sharp projections. Surface must be free of ice, frost and condensation.
- Prime porous surfaces with a compatible bituminous primer (typically 5 – 8 m² per litre) and let it dry completely.
- Peel the release liner progressively and press the membrane down firmly, brushing from the centre out to expel air.
- Lap ends and junctions by at least 100 mm and roll the laps firmly with a lap roller.
- Carry the DPC through the full wall thickness. Link it to the floor damp-proof membrane where the detail requires.
- Protect from puncture before mortar, masonry or backfill continues above.
- Apply between +10 °C and +40 °C.

Limitations

- Not designed for permanent UV exposure. Cover it within the build-up.
- Do not apply on wet, frosted or dusty surfaces.

Packaging & supply

- Rolls of 15 m in 4.5", 9" and 13" widths
- Palletised, rolls packed upright

Storage & shelf life

- Store rolls upright in a dry, shaded, ventilated area below 35 °C and away from direct sun.
- Do not stack pallets.
- Shelf life: 12 months from date of production in original unopened packaging.

Health & safety

- Refer to the product Safety Data Sheet (SDS) before use.
- Wear gloves, safety glasses and appropriate work clothing during handling and application.
- Dispose of offcuts, packaging and residues in accordance with local regulations.

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