



SHIELD Polythene Film®

INSTALLATION INSTRUCTIONS



SHIELD Polythene Film® is a high-quality, commercial-grade polythene suitable for use as a damp-proof membrane in residential and commercial construction. Complies with NZS 3604:2011 Clause 7.5.6 and E2/AS1 Table 23 for use as a damp-proof membrane under concrete slabs.

PRODUCT RANGE

Product Code	Thickness µm (micron)	Roll Width (m)	Roll Length (m)	Total m ² per Roll	Label colour
250/2/50BLK	250	2	50	100	Blue
250/4/10BLK	250	4	10	40	White
250/4/25BLK	250	4	25	100	Red
250/4/50BLK	250	4	50	200	Green
250/4/50BLK(2)	250	4	50	200 (Folded to 2m)	Orange

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Qualifications	Installation must be carried out by a Licensed Building Practitioner (LBP).
Building Code	All work must comply with the product technical literature and NZ Building Code clauses B2, E2, and F2.
Substrate Preparation	Ensure the surface is clean, level, and free of sharp objects, debris, or water ponding. The base must comprise of compacted granular fill at least 75 mm thickness (per NZS 3604:2011). The area should be shaped to direct moisture away from the structure. Remove rebar offcuts, rocks, scrap, or other potential puncture sources.
Membrane Placement	Unfold membrane carefully to full width without dragging. Lay the sheet flat over the prepared surface. Do not stretch or wrinkle. Ensure DPM reaches the base of foundation walls and piles – tuck or butt neatly. Secure in place with bricks, rocks, or weights if necessary (particularly in windy or sloped areas).



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INSTALLATION INSTRUCTIONS CONT.

Joints and Sealing	Overlap joints by at least 150 mm in accordance with NZS 3604:2011 Clause 7.5.6.1(b). Tape all laps and any punctures using PVC or pressure-sensitive plastic tape. Minimum tape width: 50 mm as per NZS 3604:2011 Clause 7.5.6.1(b). Ensure taped joints are tight and pressed flat to ensure vapour continuity. At wall junctions or penetrations, seal with: Pre-formed sleeves; or additional DPM patching and tape
Protection and Damage Control	Take care when placing reinforcement mesh or steel—avoid dragging over membrane. Inspect the membrane for holes or tears before pouring concrete. Repair with patch and tape as needed. Do not expose membrane to full sunlight for more than 30 days.
Concrete Placement	Place structural concrete slab at least 100 mm thick over the membrane. Ensure placement does not disturb the integrity of the DPM.
Storage and Handling	Store rolls flat, away from sunlight and UV. Keep dry and out of contact with sharp objects during storage and transit.
Inspection	Check taped joints, wall junctions, and any penetrations for completeness and seal integrity. Document installation with photos for consent if required.
Maintenance	If accessible, inspect exposed edge seals annually for damage or movement.