

Thermakraft™
VAPOUR
SHIELD



Thermakraft™ VAPOUR SHIELD

Vapour control layer

Vapour Shield is a tear resistant polyethylene vapour barrier layer with one side that is white and one side that is black and can be laid either side up.



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Scope of Use

Vapour Shield is intended for use as a vapour barrier layer ideally for skillion roof construction where condensation and moisture vapour control are required behind internal cladding. It is NOT vapour permeable and NOT absorbent and so acts as a vapour control layer. Vapour Shield is NOT self-supporting and NOT fire retardant.

Where a vapour barrier is installed, its location within the built element is critical – for typical habitable spaces, it must be on the warm side of the element. Incorrectly locating a vapour barrier is likely to cause more problems than it solves. When located on the cold side of a building element, the risk of condensation forming on the vapour barrier significantly increases.

To perform effectively, a vapour barrier must also be airtight as typically airflows carry moisture at a much greater rate than diffusion, which would undermine the effectiveness of the vapour barrier.

Application Method

- Vapour Shield can be laid with either side (white or black) facing up.
- Allow a 150mm overlap and seal joints with Thermakraft White General Purpose Tape, Thermakraft Premium Joining Tape or any Thermakraft Flashing Tape.
- Where battens are nailed through the membrane, cover pre-nail battens with sealant. Any other projections and penetrations must also be sealed with sealant or any Thermakraft Tape (Thermakraft White General Purpose Tape, Thermakraft Premium Joining Tape or any Thermakraft Flashing Tape).
- Fix using stainless steel 8-12mm staples or 20mm flat head galvanized clouts, or appropriate proprietary fastenings on timber framed structure. Fix at 300mm centres. Fixing types and requirements for steel framed structure can be found in the MRM Code of Practice.

- Ensure membrane is pulled taut before fixing.
- If used on its own as a vapour control layer, Vapour Shield should be installed with an air gap separating it from roof cladding. Refer the NZ Metal Roofing Manufacturers (MRM) Code of Practice.
- Any areas damaged during installation must be replaced.

Application Tips

- Do not use under translucent sheeting.
- When fixing the product in windy conditions, care must be taken due to large sail area.
- Vapour Shield must have a minimum clearance of 200mm from the chimney flue.
- Unaffected by LOSP or other solvent based treated timber. However, LOSP or other solvent based treated timber must have sufficient time for the solvent chemical to flash off in well a ventilated area. Recommended minimum 7 days.

Handling and Storage

- Vapour Shield must be handled with care to prevent damage such as tearing and roll deformation.
- The product must be stored under cover well away from direct moisture, rainfall contact and sunlight (UV). Care should be taken not stack other materials on top of the product.



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