

# Mdm Verso Reflex Plus Installation Guide

## Roof Installations

Verso Reflex Plus Active Vapour Barrier can be installed with the Aluminum Layer side facing the exterior or the interior depending on the requirement of the project.

When installing Verso Reflex Plus to be left exposed, please refer to the Fire Test Report in our websites technical section which states AS 1530.2 Flammability Index = 1.

Fix using galvanized or stainless steel 8-12mm staples or 20mm flat head clouts, or appropriate proprietary fastenings on timber framed structure. Fixing at 300mm centres. Fixing types and requirements for steel framed structure can be found in the NZ Metal Roof and Wall Cladding Code of Practice (COP).

Verso Reflex Plus upper sheet lapped over lower sheets by 150mm minimum to ensure any potential water ingress is shed to the outer face it must be "Captured" by the fastenings at each purlin. Horizontal fix must not be used on purlin distance greater than 1100mm to allow for 150mm laps.

Verso Reflex Plus must be laid firmly (tight/taut) without creases. All laps either vertical or horizontal must be a minimum of 150mm lap.

When underlay support is required, Ebuilt recommend using, Kiwimesh, AUSMESH Safety Mesh, AUSNET, hexagonal netting or strapping, Commercial Buildings may require the use of Roof Safety Mesh under Verso Reflex Plus to be installed above the battens or purlins for profiled metal roof claddings and otherwise in accordance with NZBC E2/AS1.

If required to achieve a lap seal (refer to NZ Metal Roof and Wall Cladding COP), use ViBest Reflex Foil Lapping Tape, ViBest Superpro Flashing Tape or any Branz appraised window Flashing or Lapping Tape.



### **Internal wall and Ceiling Installations**

Before beginning installation, please ensure that framing is flush and all debris is removed from the site prior to the installation.

For internal wall and Ceiling installations it is recommended that the Aluminium side is installed to the inside of the building, this is to ensure that the Reflective properties of the Aluminized layer are utilized to help the performance of the installed Thermal Insulation.

Mdm® Verso Reflex Plus vapour barriers should be installed with a small amount of tension over the thermal insulation (from the room side) - horizontal or parallel to the rafter (or wall construction).

If the vapour barrier is installed horizontally (recommended) – across the structure - work should start from the upper part of the barrier (eg in ceilings – from the ridge). Staple in place with Galvanized or Zinc coated staples 11-14mm long. When installed along the structure, layers should be taped directly to each other on laps and joins using ViBest Superpro Flashing Tape for a complete seal.

It is recommended that the vapour barriers fixings (staples) should be covered with ViBest Superpro flashing tape to ensure an airtight seal, if the staples are not taped this could affect the performance of a blower door test.

The applied fastening system for plasterboard (or other cladding) should not interfere with the tightness of the laid vapor barrier. All types of vapor barrier connections with windows and roof hatches should be taped to seal around the wall or roof penetration with at least 75mm ViBest Superpro flashing tape.

All Damage (tears and holes) to Verso Reflex Plus should be repaired with ViBest Superpro Flashing tape.

Plasterboard can then be installed directly over Verso Reflex Plus or a batten system can be used if required.

### **Items Required for Installation**

Stanley Knife, Straight Edge, Tape Measure, Stapler, Lapping Tapes.

