



## Installation Guide

# THERMABAR 397

## Synthetic light-diffusing foil underlay

Thermabar 397 is a high strength foil wall and roof underlay used in commercial and industrial buildings to provide a vapour control layer and where light diffusing is required. It is designed to give a clean white finish enhancing natural light reflection when exposed in warehouse situations. Thermabar 397 is self-supporting and fire retardant.

### Product usage

Thermabar is a synthetic self-supporting roof underlay designed for commercial and industrial applications. Thermabar 397 is Intended to be light diffusing/reflective and provide enhancement to the interior space.

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## Application Method

- Thermabar 397 is installed with the white surface facing into the building interior space. The underlay must be fixed at maximum 300mm centres to wall framing members or as specified by the designer where subjected to wind. In roof applications, the underlay can be self-supporting up to a maximum of 1200mm. It can also be laid over a roof underlay support of galvanised steel wire mesh or safety mesh. Safety mesh must be used in accordance with the AS/NZS 4389.
- Thermabar 397 must be pulled taut before fixing.
- Thermabar 397 may be installed vertically or horizontally. Laps must be a minimum of 150mm wide. Where the designer intends the underlay to act as a means of secondary weather defence, the direction of the laps must ensure that any water collected is shed to the outer face. End laps must be made over framing and be no less than 150mm wide. Refer the NZ Metal Roofing Manufacturers (MRM) Code of Practice for full details.
- When Thermabar 397 is used as a vapour control layer, all laps and junctions must be sealed with Thermakraft White General Purpose Tape.
- If used on its own as a vapour control layer or for thermal insulation, Thermabar 397 should be installed with an air gap separating it from roof cladding. Refer the NZ Metal Roofing Manufacturers (MRM) Code of Practice.
- Due to the potential for condensation to form on the underside of Thermabar 397 when used as a roof or wall underlay, in direct contact with metal cladding, installation may require the inclusion of an air gap separating the foil from the external metal cladding, especially in applications of high moisture or spaces with limited ventilation.
- In wall application, lay Thermabar 397 from below bearers to the top plate.
- Fixing types and requirements for steel framed structure can be found in the MRM Code of Practice.
- Any areas damaged during installation must be replaced.
- Thermabar 397 must be installed by a licensed building practitioner.

## Application Tips

- When fixing the product in windy conditions, care must be taken due to large sail area.
- 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

Thermabar 397 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.