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# Nuralite Fixing Plate

MOLLER ARCHITECTS

The Nuralite Fixing Plate has been specifically designed to provide a structural connection to the building structure, whilst maintaining integrity of the waterproofing membrane.

Suitable for use on all Nuraply roofing membranes, the Nuralite Fixing Plate is supplied as a factory assembled unit pre-fitted with the correct membrane enabling full integration. It provides a universal fixing offering two M10 x 20 female threaded anchor points for securing most types of rails and bars.

The Nuralite Fixing Plate is designed to support various mechanical services on a building's roof top. The roof area is an ideal area to site many parts and components of the building's mechanical services equipment that are essential to the buildings use. These components can include air conditioning units, solar panels, general roof plant, rainscreens, stanchions and pipework. The fixing plate allows users to fix through the membrane and create a support panel used to attach plant onto, while avoiding the risk of leaks or complex detailing.

Multiple fixings can be made directly to the roofing structure providing excellent pull out values into most substrates. All the fixings are sealed under the flange of the Nuralite Fixing Plate against water ingress using the same horizontal lap joint that the rest of the roof is installed with.

**BENEFITS:**

- Supports various services.
- Protects from leakages.
- Robust anchor point.
- 20 Year Warranty.
- Easy Installation.
- Proven for NZ Conditions.



## FIXING PLATE INSTALLATION

The Nuralite Fixing Plate is to be fitted over the completed Nuraply membrane system. Where for loading purposes it has been established that the Nuralite Fixing Plate should be positioned over structural elements such as rafters or purlins, these should be identified and the Nuralite Fixing Plate set out and located accordingly.

The Nuralite Fixing Plate should be positioned on the roof taking into account the constraints of any framing system that will be fitted to them.

Particular care should be taken to get the orientation of the two points correct as this cannot be adjusted once the Nuralite Fixing Plate has been installed.

### TIMBER AND CONCRETE WARM ROOF

Fixing on timber and concrete warm roof construction, ensure that the fixings used will penetrate the Nuraply membrane and the roof deck below in accordance with the manufacturers tolerances.

### METAL TRAY WARM ROOF

Fixing on metal tray warm roof construction, the fixings must only be into the crown of the profile. Care must be taken to identify and locate the positions of the crowns before fixing commences.

### COLD ROOF

Fixing on cold roof construction, ensure that the fixings used will penetrate the Nuraply membrane and the roof deck below in accordance with the manufacturers tolerances. Use all available fixing holes to achieve the maximum pull-out value. Use all available fixing holes to achieve the maximum pull-out value.

## MEMBRANE INSTALLATION

### NURAPLY 3PM

Once the Nuralite Fixing Plate has been correctly installed, the Nuralite Fixing Plate is to be primed with Nuraflux primer (refer to the Installation Manual).

70mm<sup>2</sup> Nuraply ALU self adhesive patches are to be bonded over all fixings, then the Nuraply 3PM can be heat welded down (refer to the Installation Manual). A selvedge edge must be created out around the fixing plate 150mm.

### NURAPLY TPO SMOOTH

Once the Nuralite Fixing Plate has been correctly installed, the Nuralite Fixing Plate and the underside of the Nuraply TPO Smooth, out to the edges of the plate is to have Nuraply TPO Bonding Adhesive 1121 applied. (refer to the Installation Manual).

70mm<sup>2</sup> Nuraply TPO Smooth patches are to be bonded over all fixings. Bond the Nuraply TPO Smooth down to the Nuralite Fixing Plate. Weld the Nuraply TPO Smooth from the plate out (refer to the Installation Manual).

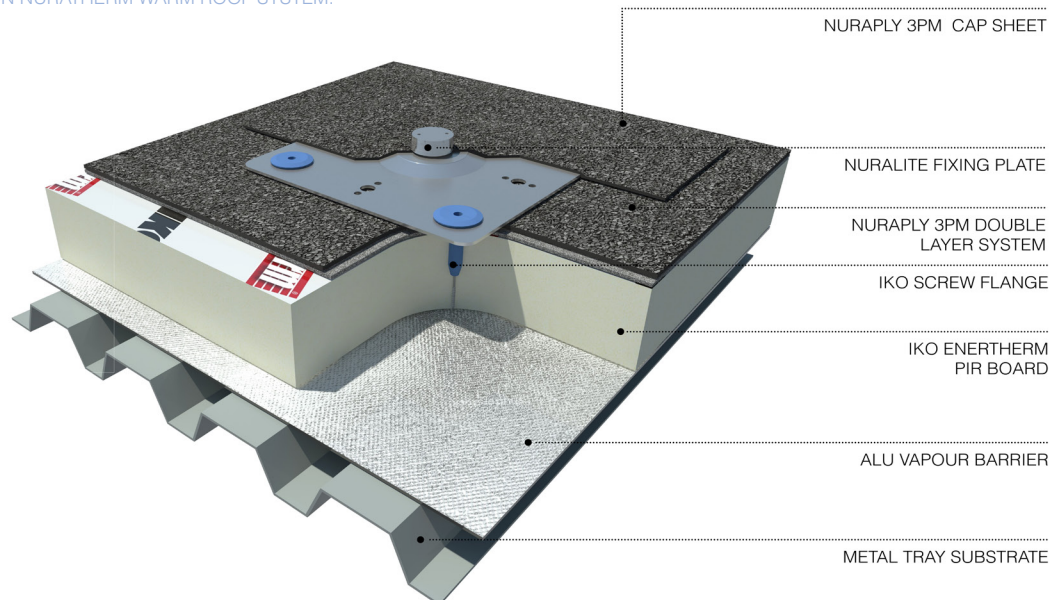
## WARRANTY

Nuralite warrants the Nuratherm Warm Roof system against materials defects for 20 years from the date of installation.

The warranty must be applied for at the completion of the job. For this extended warranty to remain current the customer must maintain the roof and have it inspected every five years by a qualified Nuralite applicator.

The workmanship is covered by a separate workmanship warranty issued by the applicator. Nuralite will inspect the completed job if requested.

### NURALITE FIXING PLATE ON NURATHERM WARM ROOF SYSTEM.



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