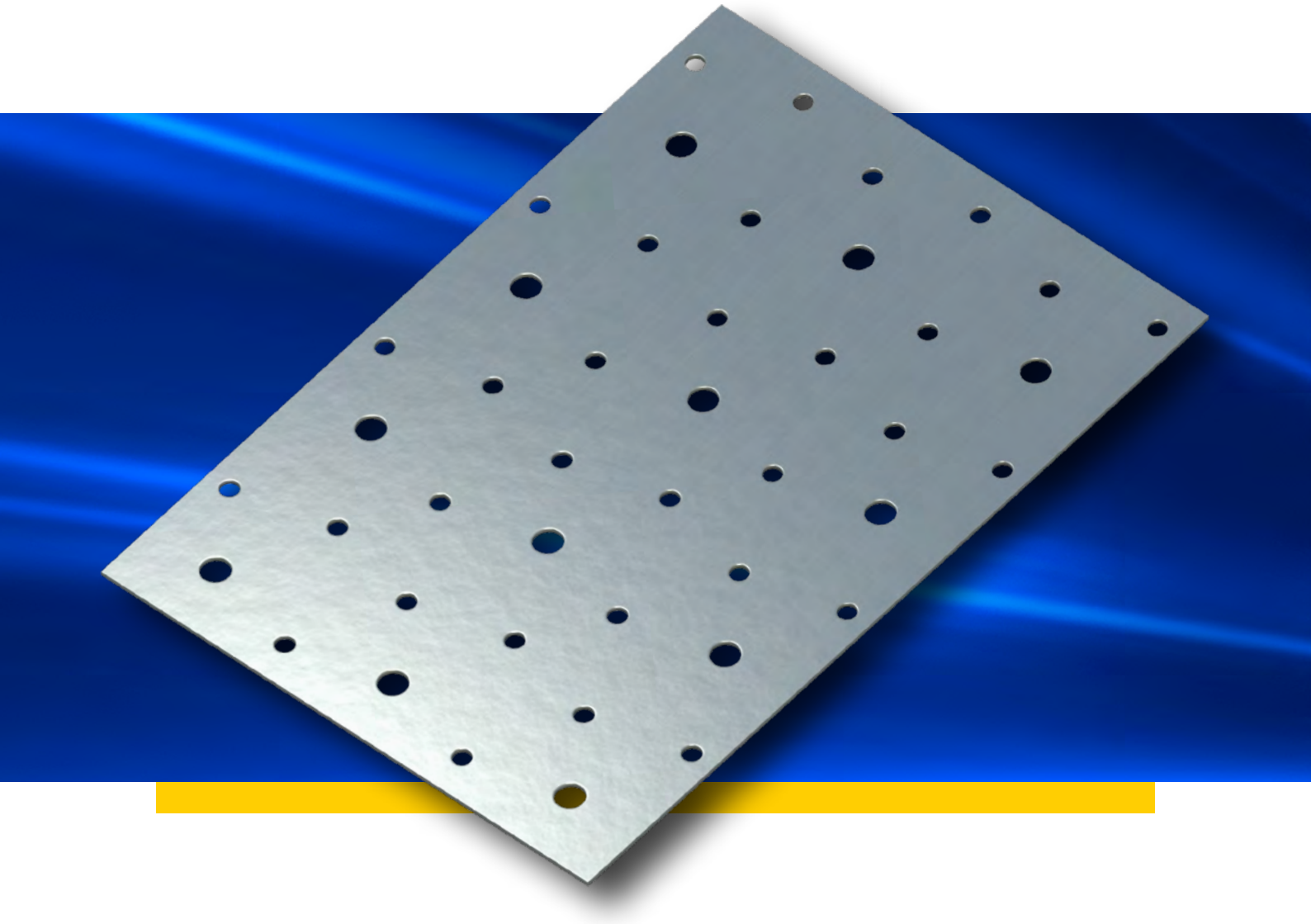
ENGINEERED BUILDING PRODUCTS

NailonPlate

Stainless Steel



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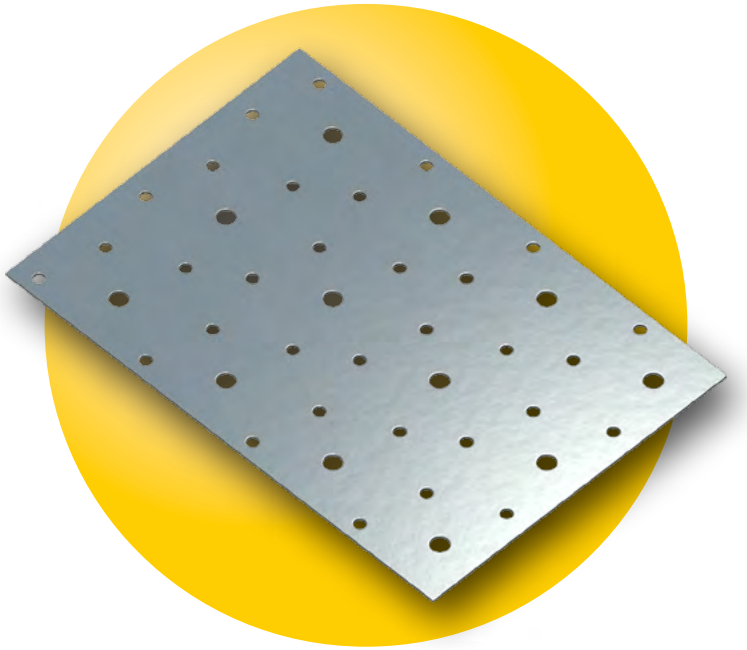


FOR TIMBER TO TIMBER JOINING IN CORROSIVE ENVIRONMENTS

APPLICATION

Stainless Steel NailonPlates have been designed to join timber together in a number of ways using annular MiTek 30 x 3.15mm stainless steel nails.

USES

- Joining timber side-by-side in corrosive environments.
- Butting together of timber members.
- Framing for formwork and house frames.
- Joining wall frames at top plate level.
- Manufacture of gates and fences.
- Repairs to timber structures in situ.
- Strengthening of timber structures in situ.

ADVANTAGES

- NailonPlates may also be formed into brackets for many other uses.

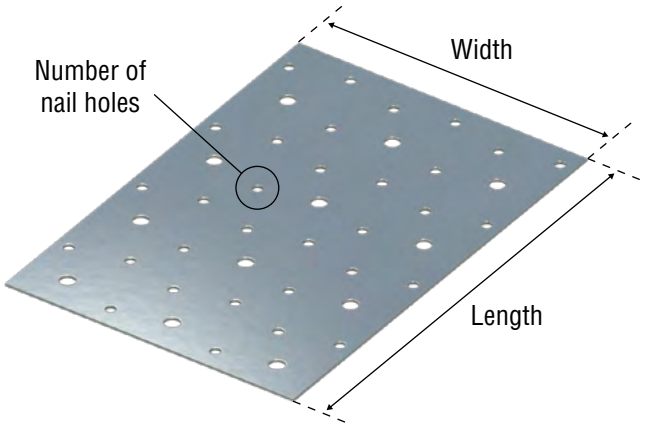
SPECIFICATIONS:

Steel Grade	**Stainless Steel 304-2B**
Thickness (Total Coated)	**0.90mm**
Nails	**MiTek 30 x 3.15mm annular grooved stainless steel**
Product Code	**See Table**

This Engineered Building Product has been designed and manufactured in accordance with ISO 9001 and meets all the requirements of the National Construction Code Series and Australian Standards.

Certified System™
Quality
ISO 9001

Product Code:	Width (mm):	Length (mm):	Number of 3.15⌀ nail holes:
NP110160SS	110	160	32
NP110200SS	110	200	40
NP110240SS	110	240	48



LOAD DATA

Limit State Design Capacity per Nail (N)										
Joint Group	J2	J3	J4	J5	J6	JD2	JD3	JD4	JD5	JD6
DL Only	507	362	257	199	145	646	507	362	304	223
DL + Roof LL	686	489	347	268	196	873	686	489	411	302
DL + WL	1016	725	515	398	291	1293	1016	725	609	447

Steel Limit State Design Capacity for a Pair of Plates (N/mm)[1]	
Tension	369

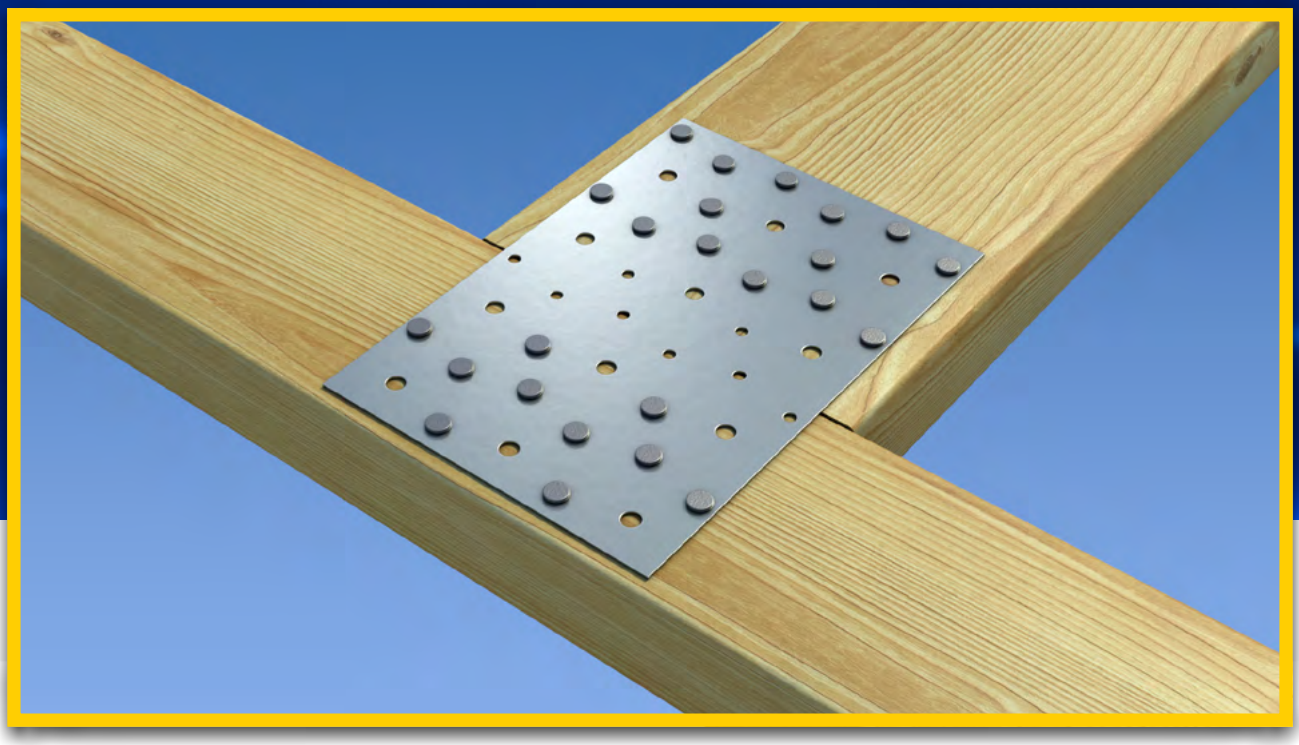
General notes:

1 Plates on opposite sides of each joint are to be offset 6mm with respect to each other.

2. Minimum nail distance to edge of timber is 10mm.

3. Minimum nail distance to end of timber is 30mm.

[1] Do not apply adjustment factors to these design capacities.



Values in this table incorporate the Category 1 capacity factor (Ø) for houses. For other categories, multiply the design capacities by the following factors. Refer to AS1720.1 for a full definition of each category.

Design capacities have been obtained from laboratory testing and procedures given in AS1720.1.

Category	1	2	3
Adjustment factor	1.00	0.94	0.88

NailonPlate - Installation

Place NailonPlate over joint and fix with nails as noted above using a standard carpenters hammer.

Maximum strength is obtained by nailing one MiTek 30 x 3.15mm annular grooved stainless steel nail through each ø3.15 nail hole. Do not use the larger holes for fixing nails.

NOPSS 10/18

For more information about MiTek's Engineered Building Products or any other MiTek products or your nearest licensed MiTek fabricator, please call your local state office or visit: **mitek.com.au**

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