KLEVAKLIP™
ENGINEERED BUILDING PRODUCTS

FREP JOIST HANGER

THE OUTDOOR JOIST HANGER

- **Molded from Fibre Reinforced Engineering Polymer (FREP)**
- **Corrosion proof**
- **Strong - engineered to last**
- **No sharp edges**
- **Paintable**
- **Easier to use than conventional joist hangers**
- **Vibration resistant nail holes**
- **15 year warranty**
- **Ventilation ridges for joist breathability**
- **Meets Australian standards for decking/flooring**
- **Patented design**

NJH9045 and NJH14045 FREP Joist Hangers

Important: Use only 35mm long x 3.15 diameter galvanised connector nails or stainless steel equivalents. When fixing the **FREP** Joist Hangers to Bearers-NJH9045 there should be four nails in each "wing" of the Joist Hanger (Total 8) and three nails per side of each joist at each joist hanger (Total 6). NJH14045 there should be six nails in each "wing" of the Joist Hanger (Total 12) and five nails on one side and four on the other side of the joist hanger (Total 9). Please use connector nails in ALL holes provided for both the NJH9045 and NJH14045.
*Nail guns are not to be used on **FREP** Joist Hangers.*

Load bearing

All load bearing tests have been done by an independent, accredited testing body to Australian Standards AS1170.0 and AS1170.1

Important

- ✓ Do not use in a cantilever situation.
- ✓ Not recommended for bush fire zones.
- ✓ **FREP** Joist Hanger softening point 180 °C and melting point is 220 °C.
- ✓ Do not use Nail guns on **FREP** Joist Hangers.

Timber Joint Group	NJH9045	
	Floor	Deck/Balcony
JD5 (equivalent to MGP10)	0.8	0.6
JD3 (equivalent to F17 LVL)	1.2	0.9

Timber Joint Group	NJH14045		
	Floor	Deck/Balcony	Commercial
JD5 (equivalent to MGP10)	1.2	0.9	0.5
JD3 (equivalent to F17 LVL)	1.6	1.2	0.7

Notes:
1. Maximum floor area (M2) = 0.5 x (joist span x joist spacing)
2. Span tables should be read in conjunction with timber span and joint tables to ensure the size and grade of joist you use is adequate for the proposed span.
3. "Floor" load based on Live load of 1.5kPa + Dead load of 0.5kPa
4. Deck/Balcony load based on Live load of 2kPa + Dead load of 0.5kPa
5. Commercial load based on Live load of 4kPa + Dead load of 0.5kPa
6. To achieve the structural design capacity, it is essential that the joists and joist hangers be installed in strict accordance with the fixing details provided.
7. For further details regarding Maximum floor area (M2) please refer to our web site.