

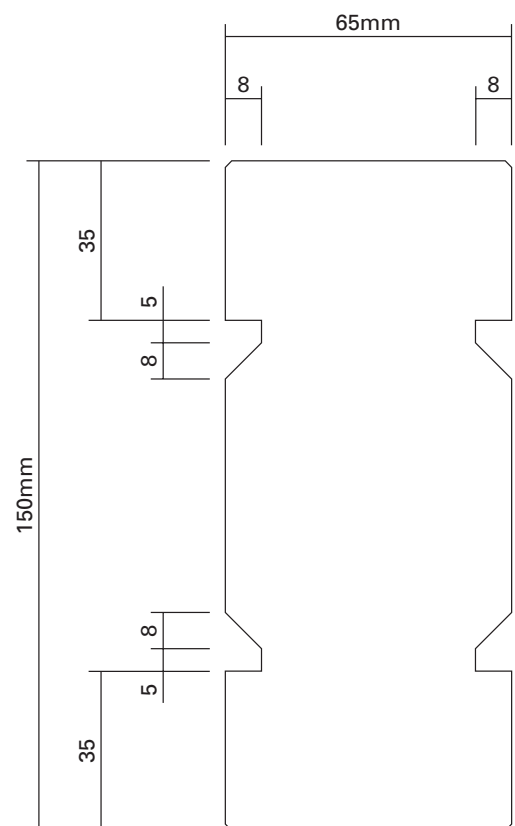
# G-FORM™

LVL GROOVED FORMWORK

G-FORM LVL grooved formwork is the perfect solution for durable, strong and lightweight formwork.

G-FORM LVL is ideal for concrete formwork applications in civil construction projects.

- Uniform stiffness for predictable form quality
- Laminated softwood timber for high strength and safety
- Every piece of G-FORM is straight and true for accurate forming
- G-FORM is grooved to suit universal clamping system if required
- Painted Yellow for identification, moisture resistance, concrete release and durability
- Ideal for horizontal and vertical forms



Uniformity  
Reliability  
Durability  
Sustainability



## Physical Properties

	Unit	Characteristic value
Modulus of Elasticity (MoE)	GPa	10.7
Bending (f'b)	MPa	48.0
Tension parallel to grain (f't)	MPa	30.0
Compression perpendicular to grain (f'p) (parallel to the gluelines (2.5mm indentation))	MPa	12.0
Compression parallel to grain (f'c)	MPa	45.0
Shear as a joist (f's)	MPa	6.0

## Moisture Content

The moisture content of NelsonPine LVL is 8-15%

## Dimensional Tolerances

	Plus	Minus
Length	15mm	0mm
Depth	1.5mm	1.5mm
Thickness	1.0mm	2.0mm

## Section Properties

Nominal Section Size	Unit Mass	Rigidity $EI \times 10^9$	Design Capacity	
$D \times B$	kg/m	Nmm <sup>2</sup>	$\emptyset M$ (kNm)	$\emptyset V$ (kN)
150x65	5.2	187	8.7	30.0

Design Capacities calculated for  $\phi=0.85$  and for short duration load,  $K1=0.94$ . For the bending capacity the section is assumed laterally stable. Capacities and rigidity apply for "on edge" orientation of the section. Rigidity is based on the average cross sectional dimension.

## Recommendations for storage and handling

NelsonPine G-FORM is supplied plastic wrapped and strapped. In order to achieve the maximum re-use potential, we recommend that:

- G-FORM is kept dry during storage and transport
- Stored under a ventilated cover with fillets placed between each layer
- Stacked clear of the ground on at least three evenly spaced bearers
- Bearers and fillets to be placed vertically in line and support the G-FORM evenly and flat
- Avoid mechanical damage during handling
- Re-seal cut edges with a water repellent paint



EWPAAS JAS/ANZ Certified to Australian/New Zealand standard AS/NZS4357 for Structural LVL.



Made from 100% renewable plantation pine.



Environmentally friendly with ISO 14001 Environmental Certification.



Produced using state of the art technology, with scarfed veneer joints for greater strength and clean surface finish.

For technical and sales enquiries please contact

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