

XLam XFloors^(TM)

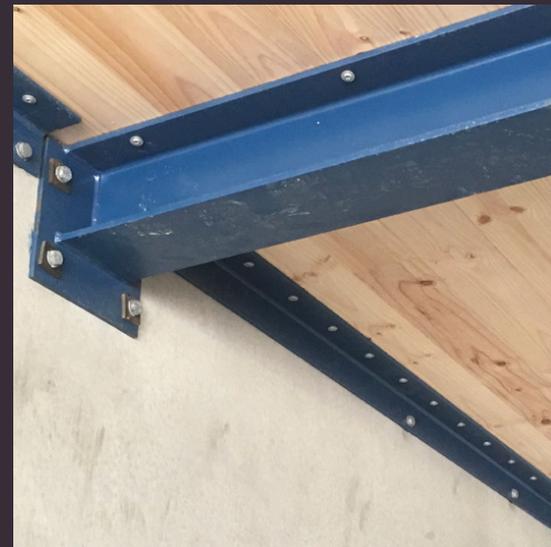
INDUSTRIAL & COMMERCIAL FITOUT



XLam provides time-efficient and easy to install building products fabricated from CLT (Cross Laminated Timber).

The XLam industrial floor system consists of ready-to-install timber floor panels that are CNC machined from solid XLam Cross Laminated Timber (CLT).

The XLam floor panels can be manufactured to a maximum plan dimension of up to a length of 16m and a width of 3.5m (depending on logistics and site access) which results in a much quicker and simpler construction process in comparison to traditional building methods.



The cross-lamination process used to manufacture XLam CLT provides a two-way spanning action providing comparable structural performance to traditional concrete construction but at 20% of the weight. Installation of the XLam floor panels can be extremely fast compared to conventional concrete floors and there are no wet trades or propping requirements, even at longer spans. The connections between the steelwork and the XLam panels can also be quite simple by using standard timber coach screws from the underside.

STRUCTURAL PERFORMANCE

The XLam floor panels are available in a range of thicknesses with different spanning capabilities to suit the specific application. For typical industrial mezzanine floor loads the XLam panels have a capability of spanning from 3.0m for a 110mm thick panel and up to 5.5m for a 240mm thick panel, which in turn can reduce the amount of structural steel over a conventional metal deck concrete slab. The exact structural arrangement of the floor would need to be determined by the structural engineer as the overall performance of the floor system is dependent on the combination of the structural steel supports and the XLam panels.

XFloors are cheaper, lightweight and much quicker to install than a conventional metal deck concrete slab. XFloors achieve greater spans between supports without the need for propping.



XLam: Sustainable, Efficient, Safe.

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FIRE & ACOUSTICS

The XLam floors can offer an excellent natural fire-resistance where required and can achieve fire resistance levels of up to 90 minutes and up to 120 minutes when clad with a fire-rated plasterboard. XLam have also completed a wide range of acoustic tests on the floor system and can provide guidance on code compliance floor build-ups to satisfy the acoustic requirements of the BCA.

XLAM XFLOORS ARE LIGHTWEIGHT, COST EFFECTIVE,
QUICK TO INSTALL & SUSTAINABLE



XLAM AIRSTAIR & OFFICE PODS

XLam floor panels can also be combined with XLam Airstair. Our ready-to-install CLT stair system comes complete with both the flight and landing structures. Refer to the XLam AirStair product sheet for more information and ask us about XLam CLT Office Pods for Industrial Applications.

XLam Technical Guides

XLam have prepared a comprehensive set of technical guides as specification documents.

Please visit xlam.com.au to access the guides online under the "Technical" section.

For technical support or to request pricing please email:
Australia: enquiries@xlam.com.au



XLAM AIRSTAIR

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