XFRAME

Fitting Rooms

A fast, flexible, and waste-free approach to retail fitting room design

The XFrame® System

Today more than 40% of the worlds waste is the result of building, construction, renovation, and demolition practices. XFrame® is a radical response to this global challenge.

Backed by a proprietary technology platform that automates design and manufacturing processes, XFrame has been developed as a prefabricated, lightweight engineered timber wall, floor and roof framing system that enables end-of-life recovery and reuse.

XFrame is manufactured from sustainably sourced (FSC certified) structural plywood using precise computer controlled milling machines to minimise waste. The finished product is a series of modular parts that are designed to clip together without the need for nails, screws or adhesives.

Using XFrame our goal is to make the deconstruction and reuse of building materials an attractive and economically feasible end-of-life strategy.

XFrame® Office was developed to address the significant waste generated through office and retail fit outs and refits. It is a series of modular commercial and retail applications that are lightweight, easily assembled and rapidly deployable. Adding to its circular economy credentials, XFrame® Office uses the same components across the entire range meaning products can be disassembled and reconfigured as needed.

- A kit of standard parts.
- Made from natural and renewable materials.
- Assembled without nails, screws or adhesives.
- An engineered structure. Millimetre Perfect.
- Scalable and flexible spaces.
- Designed for complete circularity.

Fitting Rooms

Fitting Rooms

A demountable, modular fitting room system for fashion retail. XFrame fitting rooms install fast, without mess, and to exacting joinery standards - without the disruption of traditional construction. Spaces can be reconfigured, relocated, or returned to XFrame at end of life. Our fitting rooms come with a modular electrical kit as standard and can be supplied with pre-fitted doors for streamlined installation.

Dimensions: Custom to brief

Max Height: 3000mm

Wall Thickness: 92mm (Excluding linings)

Doors: Available pre-fitted as standard

Customisation Options

XFrame fitting rooms are available in curtain or door entry, constructed as 3-sided rooms against existing walls, at heights from 2100mm to 3000mm. Shelving can be integrated directly into the frame, with options to wrap around existing structural columns.

Curtain

Door

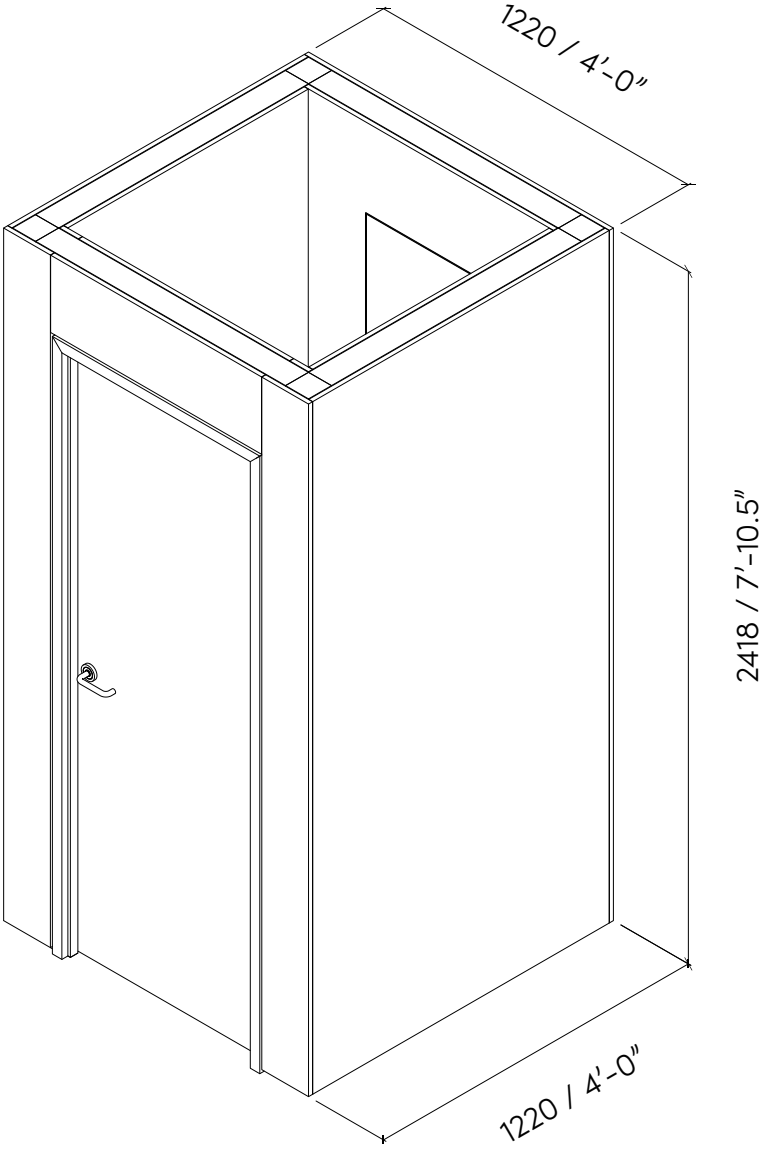
Shelving Integration

Wall Height

Column Wrap-Around

3 Sided

Fitting Rooms



Technical Specifications

- Supplied with site-specific engineering certificates.
- Certified to stabilise standard retail shelving systems.
- Vertical face-load allowance up to 50kg/m2.
- Structural frame formed from Australian Origin Radiata Pine Plywood.
- Free-standing wall heights up to 3200mm.
- Typical economical wall heights at 2400mm.
- 92mm nominal wall thickness (excluding linings).
- 100mm M6 Anchor Screws at 1200mm centers (floor fixing).
- 'Zero tolerance' lining seams to minimise theft risk.
- Options for integrated flush-mounted mirrors, shelves, hooks.
- Options for self-closing doors supplied pre-fitted.
- Exclusively E0 formaldehyde rated materials only.
- All frames provided pre-assembled.
- All linings provided pre-cut / pre-edged.
- All product eligible for XFrame take-back.
- All product covered by XFrame 5-year warranty.

Fitting Room Carbon Breakdown

-162 kg

Total calculated carbon related emissions for XFrame Fitting Rooms.

-40 kg

Calculated carbon related emissions for XFrame plywood framing components. Material: FSC Certified Australian grown 12mm and 9mm Hoop Pine.

-140 kg

Calculated carbon related emissions for XFrame lining components. Material: FSC Certified Australian grown 18mm Hoop Pine with HPL finishes.

18 kg

Calculated carbon related emissions for XFrame hardware components. Calculated based off mild steel carbon emissions per metric tonne.

About this data:

XFrame calculates project carbon costs using volumetric data from an as-fabricated 3D digital model. Components are categorised by their respective material type and volumes summed for carbon calculation using localised environmental product declaration (EPD) data. When exact EPD data is unavailable XFrame uses the next regionally appropriate EPD information and applies and additional variance factor for this data source.

Carbon emissions reported refer to (BS) EN 15804 lifecycle stages A1-A3 only. Carbon emissions reported include both biogenic carbon (GWPB [kg CO2-eq.]) and fossil carbon (GWFP [kg CO2-eq.]) data sources.
For further information pertaining to lifecycle stages A4-C4 contact XFrame.

Designed for now, built for later.

XFRAME®