



ENDLESS CREATIVE FREEDOM



Designers choose lightweight Xanita boards because of their unmatched strength to weight ratio, reliability and impressive environmental credentials.

Xanita's range of fit-for-purpose boards can be surface-decorated with an endless array of digital prints, paints, veneers and laminates.

Xanita



WHY DOES XANITA OFFER SUCH **CREATIVE FREEDOM?**



ECO-SUSTAINABLE

Firstly, a little about the heart or core of Xanita.

Xanita's natural, cellulose fibre core is manufactured from recycled kraft paper and agri-fibres and free of virgin wood fibres. This closed-cell dense core delivers unprecedented crush-strength which turns decorative wood panel designs on their heads.



STRONG & FLEXIBLE

When engineered into aerated timber-like panels, Xanita core exhibits an impressive dry crush-strength of up to 90 tonnes per square metre, yet it weighs less than 90kg/cbm. That's about 7 times lighter than most solid MDF, plywood and particleboard panels.



LIGHT WEIGHT

So, when thin decorative surface layers of material are sandwich panel-pressed onto the Xanita core, incredible wood panel-performance results emerge.

For example, designers can confidently specify 18mm to 50mm thick panels of lengths up to 3600mm, without concern for panel-sag.



LOGISTIC SAVINGS

An added benefit is joiners and cabinet-makers now do not require special machinery for panel-sawing, CNC-cutting and edging Xanita MDF, Plywood and Particleboard.

Surface decorated sandwich skins pressed over a lightweight cellulose fibre core that doesn't cost the earth, provides endless creative freedom for designers.



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XANITA PRINT & KRAFT

For lightweight, internal structures that are required to last for minimal years before recycling, Xanita Print and Kraft boards offer unique design opportunities.

Technological strides in high-speed, direct-to-substrate digital printing over the last few years now enable these two 100% composite boards to be printed with faux veneer, woodgrain, metallic or any other vector patterns and bitmap images.

UV digital inks resist fading for more than five years indoors, when film laminated. This is a highly cost-effective, lightweight and fully repulpable alternative to solid plastic substrates, timber-veneered or high-pressure laminated solid wood panels.

Applications include exotic woodgrain printed bulkheads and beams, promotional retail counters and double-mitre folded retail shelving units, bespoke exhibition stands and expo furniture that's cheaper to own and re-use.

Xanita Print is white in colour and Xanita Kraft is a natural kraft brown colour. Both can be printed or left in their natural raw state.





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WHAT CAN YOU DO WITH XANITA PRINT & KRAFT?



BRAND-ACTIVATION DISPLAYS

FAUX BULKHEADS AND BEAMS

3D LETTERING



Xanita Print is perfect for point-of-purchase displays, retail store displays, brochure holders, expo stands, shelving units, brand activation tables, faux wood beams, event furniture, 3D lettering, giant animals and trees and so much more.



With Xanita you can print any image - brand images, woodgrains, patterns, fluoro, marble, stone and metallics



MODERN POP-UP STORES



DYNAMIC DISPLAYS



TRADE SHOW & EXPO STANDS



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Xanita MDF Folding Doors



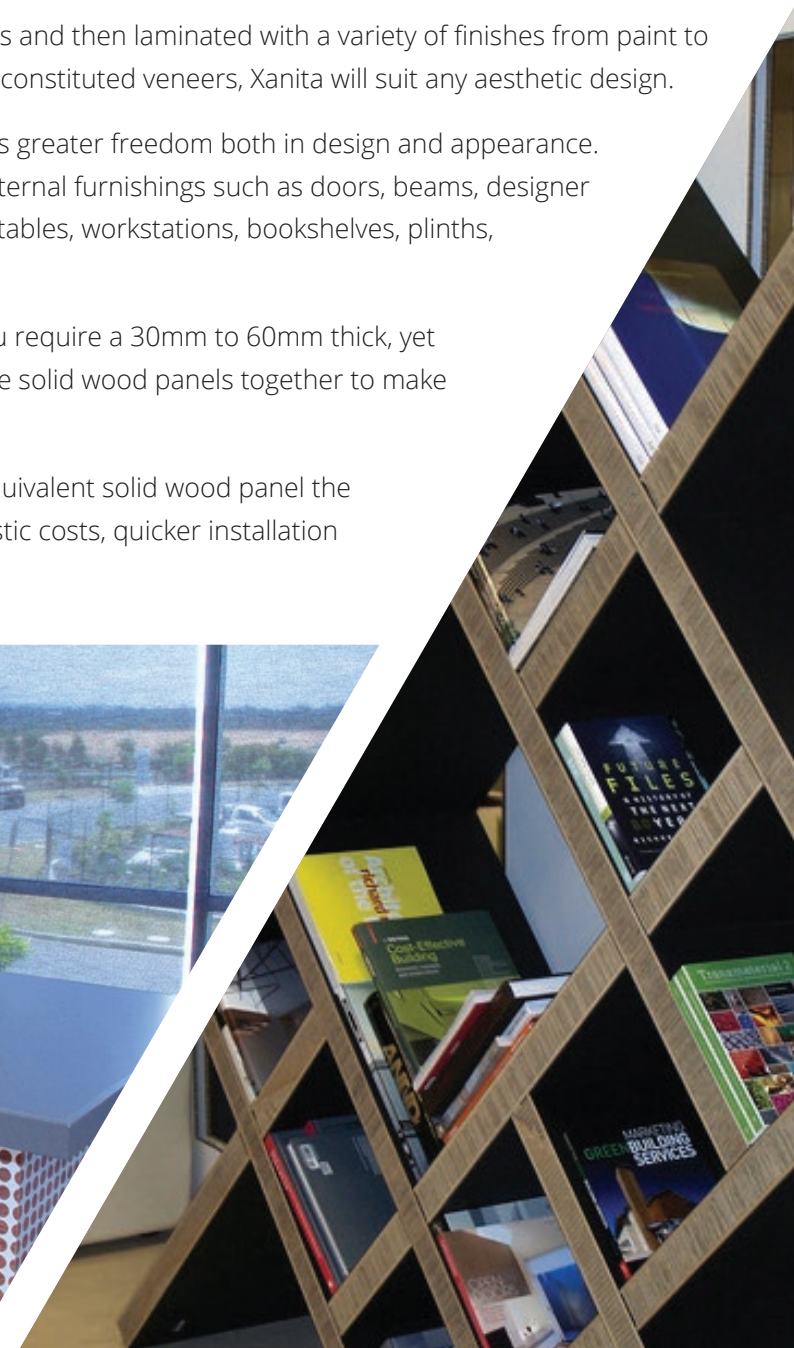
XANITA MDF & PLYWOOD

Sandwiched between two thin MDF or Plywood sheets and then laminated with a variety of finishes from paint to PVC films, melamine, laminate, timber veneers and reconstituted veneers, Xanita will suit any aesthetic design.

The flexibility of Xanita allows designers and architects greater freedom both in design and appearance. Xanita is most suitable for domestic or commercial internal furnishings such as doors, beams, designer furniture, designer benchtops, counters, boardroom tables, workstations, bookshelves, plinths, storage units and more.

Xanita saves you time and money especially when you require a 30mm to 60mm thick, yet lightweight panel. The old practise of bonding multiple solid wood panels together to make 40 to 60mm thick panels, is now considered archaic.

Consider that when a board is 80% lighter than an equivalent solid wood panel the benefits are lower material handling costs, lower logistic costs, quicker installation and less change of OH&S claims.



WHAT MAKES XANITA MDF & PLYWOOD DISTINCTIVE?



WEIGHT COMPARISON TEST SOLID MDF VERSUS XANITA MDF

18mm
Solid MDF



25mm
Solid MDF

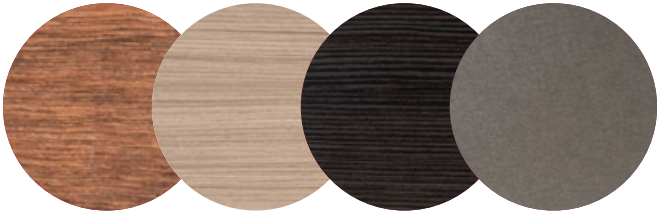


3m² Solid MDF panel weighs 53 kg

58mm
Xanita MDF



3m² Xanita MDF panel weighs 30 kg

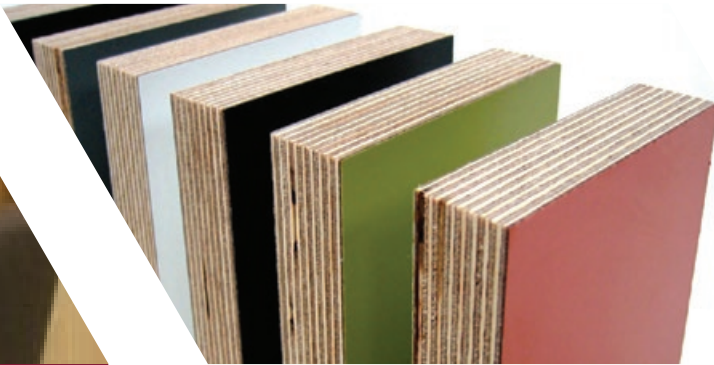


Laminate with a Variety of Finishes

From paint to PVC films, melamine, laminate, timber veneers and reconstituted veneers.

Lightweight yet Strong and Stable

A Xanita MDF 60mm thick panel is up to 80% lighter than the equivalent thicknesses of bonded MDF.



More effective than Wood Alone

Designers are no longer restricted by solid wood panels being too heavy to use for that “chunky” look. Xanita MDF and Plywood can be machine edged-banded up to 60mm by most shop fitters and cabinet makers.

Premium Look

Xanita’s Authorised Panel Laying Partners, work with most veneer and laminate suppliers to give you exactly the look you require.



Finishes and Fittings

Xanita facilitates frameless panel fabrication, using conventional wood processing machinery. Specialised lightweight furniture fittings are not required.



FACTS ABOUT XANITA MDF & PLYWOOD

- Use conventional machinery including standard edge-banding equipment
- Easy to drill, saw, edge, transport and install
- Environmentally sustainable fibreboard core
- E-zero MDF or VOC-free hardboard surface skins are available
- Uses up to 75% less virgin wood fibre compared to solid MDF sheet
- Fast installation time
- Sizes range from 2400 x 1200mm up to 3600 x 1500mm in varying thicknesses up to 100mm
- Less labour required to carry large panels
- Lighter-engineered door hardware required for oversized doors with Xanita core inside.
- Reduced sawdust waste generated when cutting and routing
- Lower wear and tear on cutting tools

WHICH BOARD IS BEST FOR MY PROJECT?

APPLICATION	XANITA PRINT / KRAFT	XANITA MDF/PLYWOOD
Short - Medium Term (3 - 48 months)		
Printed POP Displays	✓	
Printed Brand Activation Displays	✓	
Printed Exhibition and Event Structures	✓	
Decorative Printed Beams	✓	
Long Term (4 - 10 years)		
3D Lettering and Signage	✓	✓
Flat-Pack Designer Furniture	✓	✓
Commercial Interior Fitouts		✓
Bulkheads		✓
Oversize Doors		✓
Thick Timber Beams		✓



XANITA PRINT



XANITA KRAFT



XANITA MDF



XANITA PLYWOOD

PRODUCT PROPERTIES: **XANITA PRINT & KRAFT**

Appearance	The surface of the product is free of blisters, foreign matter, marks, etc. The colour and finish is a commercially acceptable match to the customer approved master sample.			
Printability	<ul style="list-style-type: none"> • Both sides show the same visual surface properties, as well as print performance • Excellent printability, UV digital and UV screen 			
Board Thickness	8, 10, 12 and 16mm Other special thicknesses are available on indent order			
Board Sizes	<ul style="list-style-type: none"> • 1220 x 1830mm • 1220 x 2440mm • 1220 x 2900mm • 1220 x 3050mm • Special cut-lengths are available for 500 sheet orders. Max sheet length is 3600mm 			
Stability	<ul style="list-style-type: none"> • Excellent rigidity and stability under indoor humidity and temperature fluctuations • Excellent condensate and moisture hold out under varying conditions • May be used in freezers for certain applications 			
Environmentally Sustainable	<ul style="list-style-type: none"> • All components are classified as non-hazardous according to the EEC Hazard Classification • Our raw material comes from renewable resources • Our virgin fibre supply is FSC accredited (Forest Stewardship Council) • Our products are ECF (elemental chlorine free) • Our products are VOC free (volatile organic compound) • Our water-based value added resins are all VOC free • Our adhesives are organic and VOC free • Xanita Print is classified as fully repulpable in normal paper pulping plants 			
Fire Resistant	<ul style="list-style-type: none"> • DIN 4102 and SANS 10177 approved • No toxic fumes when burned • Non-explosive • Low fire load rating based on low calorific value when burning 			
Physical Properties BC112gsm	Thickness	Weight	Crush Strength ASTM C473-03	Flexural Strength ASTM C473-03
	10mm	1.9kg/m ²	90 tonne/m ²	39kg
	16mm	2.4kg/m ²	90 tonne/m ²	55kg
Climate Resistance	Test		Weight	
	Low Temperature Resistance Exposure to -5°C for 48 hours		No visible changes	
	High Temperature Resistance Exposure to 70°C for 48 hours		No visible changes	
	Humidity Resistance ASTM C473: Vertical exposure in humidity cabinet for 48 hours 90% humidity and 40°C		No visible changes, deformation, warping, swelling or fungi growth	



REDUCE • RE-USE • RECYCLE



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Xanita Boards are available from a national network of Certified Print and Panel-Processing Partners.