

Technical Data Sheet

X-Board™



A repulpable, paper composite board which replaces resin-based MDF, particle board, PVC and foamed core boards in environmentally-friendly design applications.

X-Board™ is a new generation composite fibre board with exceptionally high strength-to-weight ratio. Its closed-cell, honeycomb core is manufactured from recycled kraft papers and organic adhesives, which, together generate up to 90 ton/sqm core crush-resistance, good sound absorption and high flexural strength.

Sandwiched between two layers of ink receptive, acid-free recycled white paper, X-Board is disposed of after its useful life in paper recycling bins or cardboard compactors, rather than being dumped as toxic landfill, where most other substrates end up.

X-Board is amazingly versatile in that it can be large-format, direct inkjet or screen printed and laminated with both decorative and printed poster papers. Panels can be mitre-cut, then folded or curved, or cut into shapes and inter-locking pieces, offering users an endless array of sustainable design opportunities.

X-Board is generally shape cut using CNC routing equipment. For non-precision cutting, for example, craft or DIY useage, the following tools are recommended:- heavy duty craft knife, panel saw, fine-toothed jigsaw or vertical foam trimmer.

X-Board can be double-mitre cut leaving its semi-rigid paper-liner intact on one side, allowing panels to be folded to most angles. A range of protective edge-banding materials is available, generally applied using a hand-held, hot-melt glue gun.

Creative, sustainable applications include:

- Structural, flat-packed, point-of-purchase displays
- Inkjet printed office screens, bookshelves and promotional event furniture
- Semi-permanent exhibition booths and display plinths
- Lightweight bulkheads and architectural column cladding
- Painted blackboards and laminated whiteboards
- Pin and velcro-receptive backing boards
- Portable retail display counters
- Fabric-wrapped wall hangings
- Photo-mounted displays
- Movie and theatre set pieces

X-Board™ Specifications

Description

A printable kraft-based, reinforced board with excellent stability and lay-flat properties for internal applications.

Product Construction

Product consists of a printable paper liner and inner kraft reinforced base. Specialised coatings and exceptional internal-fibre properties ensure optimum board stability.

- Board thickness: 10 & 16mm gauge sheets are available ex-stock. 12mm and 30mm gauge sheets are available ex-factory. Allow 12 weeks for manufacture and supply.
- Sheet dimensions: 1100 x 2400mm and 1100 x 2900mm (1220mm wide boards in custom lengths are available ex-factory, against container indent orders)
- A custom-cutting service is also available

Attributes

- Good print-ability with UV screen and inkjet printing equipment
- Produced from approximately 92% recycled paper material
- No wax or polyethylene used in the manufacturing process
- Excellent stability in indoor conditions
- Water-resistant, especially post-printing
- Up to 25Kg nail pull resistance
- Flame-resistant to international B3 standard (B1 rating under development)
- Density: 16mm gauge - 2400gsm / 10mm gauge- 1900gsm

Quality Control

X-Board is manufactured under stringent manufacturing processes and quality control conditions. Product testing and development is conducted in accordance with international quality standards with the following quality certifications:

- ISO 9001
- OS 9000
- ISO 14001

For the latest gallery application photos, please visit our website - www.xanita.com.au

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