

CHALKBOARD



HIGH-QUALITY, SAFE AND DURABLE

INTRODUCTION

This high quality and environmentally friendly 'chalkboard' is proudly manufactured in Australia and is designed for many applications from the kids play area to the upmarket restaurant menu board. Offering superior impact resistance, 'Chalkboard' has no added resins or synthetic chemicals and is pre-finished for both domestic and commercial applications.

PRODUCT DESCRIPTION

The fine, densely bonded, wood fibre structure of Chalkboard provides for excellent machining and working properties using normal woodworking equipment or hand tools. The non-toxic paint finish offers a smooth surface for pastels, chalks and artistry consumables. The back surface of Chalkboard is characterised by a fine, wire screen texture. Chalkboard is available in a range of accurately dimensioned sheet sizes and in a thickness of 3.2mm. Cut to size sheets can also be supplied for industrial, packaging, commercial or building purposes.

KEY APPLICATIONS

Chalkboard is intended for dry interior areas only. Typical applications include:

- Display Boards—menu/display boards and wine lists
- Artistry boards and all applications where a safe, non-toxic drawing board is required/preferred.
- Childrens play areas
- Classrooms
- Chalkboard signage applications—A-Frames

PRODUCT DETAILS

THICKNESS ± 0.5mm	LENGTHS ± 0.3mm	WIDTHS ± 0.3mm	NO. SHEETS PACK
3.2mm	915	610	100
	1220	610	100
	1220	915	100
	2745	1220	50

Squareness: Maximum variation between diagonals is 0.2%.

Note: Other sizes and thicknesses can be manufactured to order. Please contact your Australian Hardboard Sales Office for details.

FIXING AND INSTALLATION

Framing: Timber or steel frames should be sufficient to support the board. The best results are obtained where the timber frame is of one species, seasoned, accurately gauged to width and framed up without deviation. Space supports at 400mm or 450mm centres down the length of the sheets. Support should be provided for all sheet edges. Existing concrete and masonry walls should be sealed against moisture penetration with a suitable damp course.

Fixings: Fix sheets with a 1mm gap between adjoining sheet edges. Allow approximately 6mm clearance at edges and corners with timber, aluminium or plastic mouldings. Masonite™ Chalkboard may be fixed to timber frames with 25mm x 1.6mm hardboard nails (panel pins), preferably cadmium plated. Space nails at 300mm centre through the body of the boards and 100mm centres along sheet edges, at least 10mm from the edge. Nails should be set slightly below the surface. Masonite™ Chalkboard may be mechanically fixed to metal frames with countersunk head, pop rivets, and self-drilling or metal thread screws. Best results are achieved where Masonite™ Chalkboard is predrilled and countersunk to receive the fasteners. The use of adhesive in conjunction with mechanical fasteners will allow the fastener spacing to be increased. Ensure the frame is free of oil or grease. Alternatively, Masonite™ Chalkboard may be fixed to framing with adhesive only.

Adhesive: Wallboard or construction adhesives are generally suitable for fixing Masonite™ Chalkboard to wall frames or existing walls. Always use adhesives in accordance with the manufacturer's recommendations. Apply adhesive in continuous beads about 5mm in diameter and at 450mm maximum centres. Press the sheet in its correct position firmly against the frame or wall to transfer half of the adhesive to the back of the Masonite™ Chalkboard. Using two temporary hardboard nails at the top edge as a hinge, pull bottom of sheet about 200mm away from the wall and block out. Allow the adhesive to become touch dry. Carefully reposition the sheet and then hammer over the adhesive areas using a soft block and hammer.

CUTTING AND MACHINING

Chalkboard is easy to work and machine with normal woodworking tools and equipment. Cut sheets with a fine tooth handsaw or power saw. Edges may be trimmed with a smoothing plane, power plane or sandpaper. Where holes are required clean cutter bits or twist drills are satisfactory. Woodworking shapers, spindle moulders and high speed routers may be used for shaping and/or moulding. Tungsten carbide tipped cutters are preferred for long production runs.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Density	1050 kg/m ³
Mass/Unit Area	3.3 kg/m ²
Modulus of Rupture	40 MPa
Modulus of Elasticity	4000 MPa

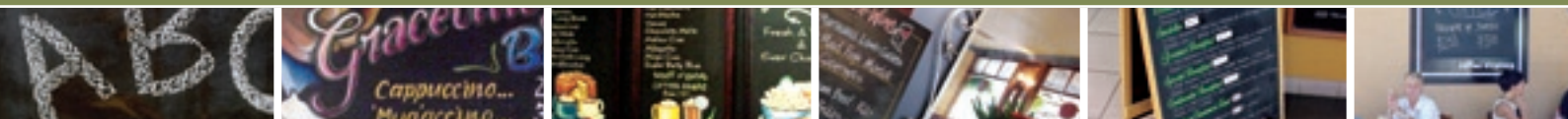
PROPERTY	TYPICAL VALUE
Impact Strength	4500 J/m ²
Internal Bond Strength	1200 kPa
Thermal Conductivity	0.18 W/(m.K)
Hydro-expansivity*	0.25%

*(change in face dimensions over 50% to 90% relative humidity)

HEALTH AND STORAGE

Store flat, under cover on a horizontal pallet or on supports spaced at 450mm centres. Do not leave in direct sunlight. Inhalation of dust generated from processing Masonite Chalkboard™ may cause irritation and sensitisation by inhalation (asthma) and by skin contact (dermatitis). Repeated inhalation of wood dust increases the risk of nasal cavity cancer and of lung fibrosis (scarring). Do not breathe dust. Wear a respirator if using power tools. Call Customer Service on 1300 366 681 for a Material Safety Data Sheet.

Chalkboard has superior impact resistance compared to other products and also has no added resins or toxic chemicals, creating an ideal solution for both domestic and commercial applications.



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BLACK BOARD

Australian
HARDBOARDS

THE NATURAL CHOICE

Australian Hardboards Limited
PO Box 139, Ipswich Qld, 4305 Australia
Ph: 1300 366 681 Fax: 1800 666 081
info@australianhardboards.com.au
www.australianhardboards.com.au