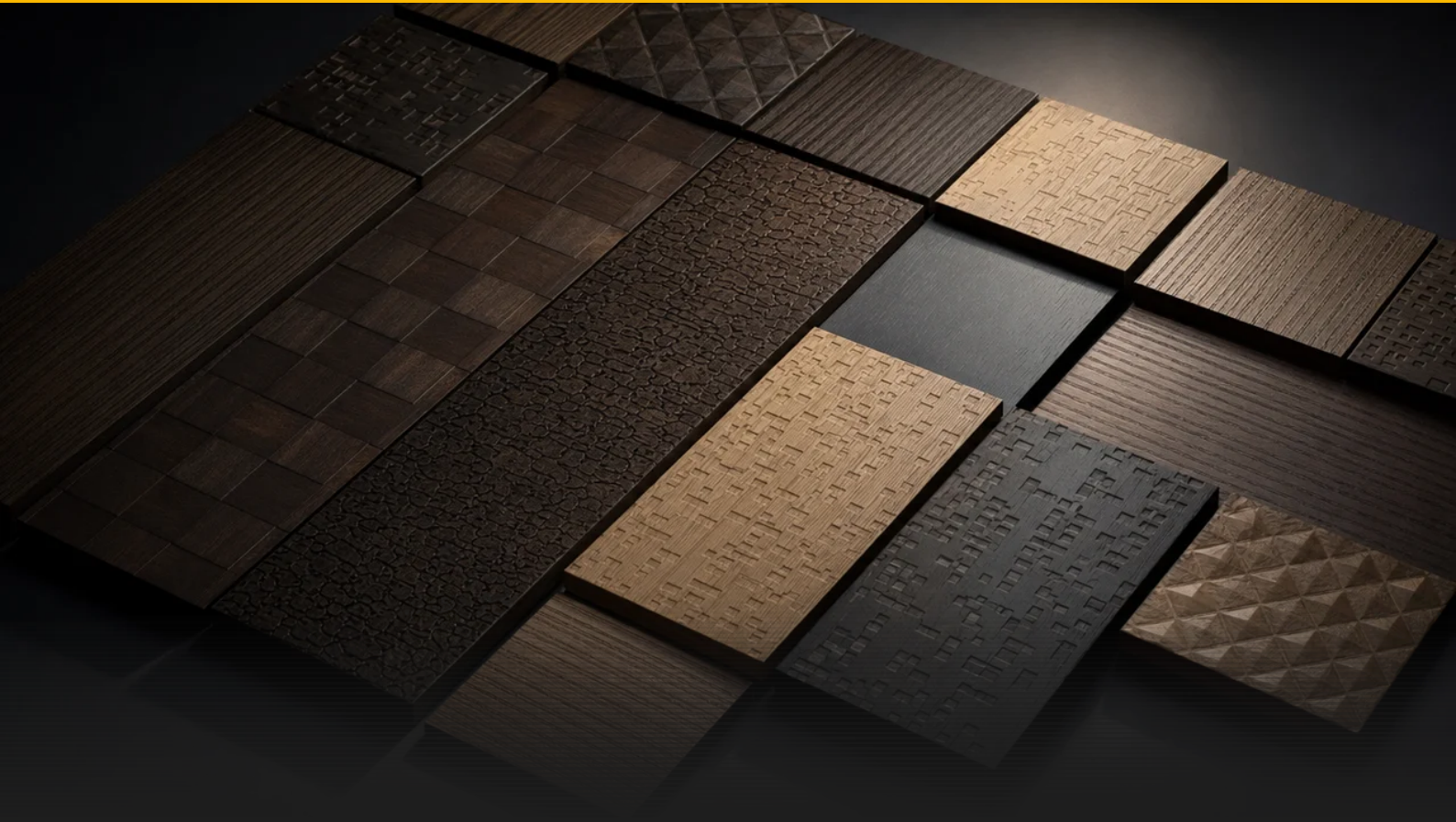




SPECIFIER REFERENCE

· M-BOSSED PTY LTD

SUBSTRATE GUIDE

A complete reference to embossable timber panel substrates for architects, interior designers, and specifiers.

01 Standard MDF & Plywood

02 Fire Resistant Substrates

03 Moisture Resistant Substrates

04 Fire + Moisture Rated

05 Solid Timber

06 Technical Resources

01 STANDARD MDF

General purpose MDF substrates for interior wall linings, joinery, and cabinetry

STANDARD MDF

Raw Standard MDF

General Purpose Interior MDF

The most widely used substrate for M-Bossed panels. Uniform density, smooth surface, and excellent machinability. Ideal for painted wall linings, joinery, cabinetry, and furniture.

THICKNESSES	3 · 6 · 9 · 12 · 16 · 18 · 25 · 32mm
SHEET SIZES	2400×1200 · 2700×1200 · 3600×1200 · 3600×1800mm

Laminex · Bord · FA Mitchell · Trademaster · Timberwood Panels

PRIMED MDF

Primed MDF

Factory Primed General Purpose MDF

Standard MDF with factory-applied primer. Ready for top coat paint directly. Popular for wall lining panels, door skins, and joinery where a paint finish is the final specification.

THICKNESSES	9 · 12 · 16 · 18mm
SHEET SIZES	2400×1200 · 3000×1200mm

Laminex · Bord · Easycraft

COLOUR CORE MR MDF

Timberwood Colour Core

Colour Core MR MDF — Timberwood Panels

MR MDF with colour pigmented through the full board depth. M-Bossed's press creates relief that sits proud in solid colour — no paint or finish required. Pre-coloured, ready to install. Available in nine colours.

THICKNESSES	5 · 12 · 18mm (colour dependent)
SHEET SIZES	2440×1220 · 3050×1220 (Black only)
COLOURS	Black · Grey · Lt Grey · Blue · Green · Brown · Red · Orange · Yellow

timberwood.com.au · E1 formaldehyde · MR core

M-BOSSED RECOMMENDATION

Standard 18mm MDF is our most common substrate — machines cleanly, holds the emboss sharply, and takes paint beautifully. Colour Core MR MDF is a standout for bold feature walls — the relief arrives pre-coloured with no finishing required.

01 STANDARD PLYWOOD

Interior and structural plywood substrates

INTERIOR PLY · AB

Interior Hoop Pine Plywood

AB Grade Interior Hoop Pine

100% Australian Hoop Pine. A-grade face, B-grade back. Low knot count — ideal for feature walls, cabinetry, and visible interior linings. Interior use only.

THICKNESSES 4 · 6 · 9 · 12 · 15 · 18mm

SHEET SIZES 2400×1200 · 2700×1200mm

AS/NZS 2270 · D Bond · Austral Ply · Matilda Veneer

BIRCH PLY · BB

Baltic Birch Plywood

BB/BB Grade European Birch

Imported European Birch with consistent, void-free core. Clean contemporary edge detail. Excellent for cabinetry, furniture, and exposed architectural applications.

THICKNESSES 3 · 6 · 9 · 12 · 18 · 25mm

SHEET SIZES 2440×1220 · 1525×1525mm

Plyco · Bord · Ply Online · E1 formaldehyde

STRUCTURAL PLY · CD

Structural Plywood

CD Grade F11 / F14 Structural

General purpose structural plywood for wall linings, flooring, and bracing. C-grade face suitable for paint or overlay. Cost-effective where aesthetics are secondary.

THICKNESSES 7 · 9 · 12 · 15 · 17 · 19 · 25mm

SHEET SIZES 2400×1200 · 2700×1200 · 3000×1200mm

AS/NZS 2269 · A Bond · F11 / F14 stress grade

POPLAR PLY · BB

Lightweight Poplar Plywood

BB/CC Grade European Poplar

European Poplar approximately 30% lighter than standard ply. Popular for joinery, shopfitting, and projects where weight is a consideration.

THICKNESSES 4 · 6 · 9 · 12 · 18 · 25mm

SHEET SIZES 2500×1220 · 2440×1220mm

Bord · Plyco · Matilda Veneer (Matilda Lite)

M-BOSSED RECOMMENDATION

Interior Hoop Pine AB grade is our preferred plywood substrate — Australian timber, clean face, and consistent density across the board. Baltic Birch is excellent where edge detail will be visible in the finished installation.

02 FIRE RESISTANT MDF

BCA Group 1 and Group 2 fire rated MDF substrates for commercial and public buildings

FR MDF · GROUP 2

Laminex Fireguard®

Trade Essentials Fireguard MDF

Australian-made Group 2 MR MDF with fire retardant core. Certified to AS/NZS 5637.1 and full-room tested to AS/ISO 9705.

THICKNESSES	9 · 12 · 18mm
SHEET SIZES	2400×1200 · 3050×1200 · 3600×1200mm

BCA Fire Hazard Group 2 · Made in QLD / VIC

FR MDF · GROUP 2

Bord FR MDF

Fire Rated MDF Group 2

Fire retardant additives throughout the core. Fire properties maintained after cutting and sanding — no special edge treatment required.

THICKNESSES	9 · 12 · 16 · 18 · 25mm
SHEET SIZES	2440×1220 · 3050×1220mm

BCA Fire Hazard Group 2

FR MDF · GROUP 1

Ventech FR MDF

STD FR MDF E0 PEFC

Group 1 rated FR MDF — the highest fire rating available for an MDF substrate. PEFC certified with E0 formaldehyde emissions.

THICKNESSES	3 · 6 · 10 · 12 · 16 · 18 · 25mm
SHEET SIZES	2400×1200 · confirm with supplier

Group 1 (highest rating) · PEFC certified · E0 formaldehyde

FR MDF

Keystone KEY-ECLIPSE

Fire Retardant MDF Panel

FR MDF from Australian-sourced materials. Available in standard or MR substrate. Inherent acoustic qualities popular for commercial wall linings.

THICKNESSES	Confirm with Keystone
SHEET SIZES	Custom sizes available

Commercial walls · ceilings · hallways

M-BOSSSED RECOMMENDATION

For fire compliance, Laminex Fireguard® MR MDF is our go-to — Australian-made, dual fire and moisture rated, and widely specified. Confirm with M-Bossed before ordering as the embossing press does not affect fire ratings on these substrates.

02 FIRE RESISTANT PLYWOOD

BCA Group 1 and Group 2 fire rated plywood and decorative panel substrates

FR PLY · GROUP 2

Matilda Fireply®

Fire Retardant Plywood

Veneer impregnated before production — entire board is fire retardant. Lighter than FR MDF. Paint or stain without affecting Group 2 rating.

THICKNESSES 12 · 18 · 25mm
SHEET SIZES 2400×1200 · 2390×1190mm

BCA Group 2 · AS 5637.1 · AS 1530.3 · PEFC certified

FR PLY · GROUP 2

Bord FR Plywood

Fire Rated Group 2 Plywood

European Poplar with veneer impregnation throughout. Lightweight and easy to machine. Certified to AS 5637.1:2015.

THICKNESSES 9 · 12 · 18 · 25mm
SHEET SIZES 2440×1220 · 3050×1220mm

BCA Group 2 · AS 5637.1 · European Poplar

FR PANEL · GROUP 2

Austral FR Panel

Hoop Pine Veneer on FR MDF Core

Group 2 FR MDF core with 0.6mm A-grade Hoop Pine veneer. Natural timber look with full BCA compliance. E0/E1 formaldehyde. Chain of Custody certified.

THICKNESSES 9 · 12 · 16 · 18mm
SHEET SIZES 2400×1200 · 3000×1200mm

BCA Group 2 · AS 5637.1 · Australian Hoop Pine face

FR PANEL · GROUP 1

Austral FireHoop

Group 1 Fire Rated Decorative Panel

Only panel in Australia achieving Group 1 with a premium timber look. Non-combustible core. Natural Hoop, Blackbutt, and Spotted Gum finishes available.

THICKNESSES Confirm with Austral Plywoods
SHEET SIZES 2400×1200 · 2500×1200mm

Group 1(highest) · AS 5637.1 · Concealed fixing system

M-BOSSED RECOMMENDATION

Matilda Fireply® is our preferred FR plywood substrate. Full-board veneer impregnation means the embossing press does not compromise the fire rating at the surface.

03 MOISTURE RESISTANT MDF

Interior and exterior moisture resistant MDF substrates

MR MDF

Moisture Resistant MDF

MR MDF — Standard Grade

Water-resistant resin throughout. Suitable for kitchens, laundries, and bathrooms with intermittent moisture exposure. Not waterproof — interior use only.

THICKNESSES	9 · 12 · 16 · 18 · 25 · 32mm
SHEET SIZES	2400×1200 · 2700×1200 · 3000×1200 · 3600×1200mm

Bord · Australian Timbers · Allboard · Timberwood Panels

HMR MDF

High Moisture Resistant MDF

HMR MDF — Upgraded Grade

MDI polyurethane resin that does not react to moisture. Superior dimensional stability. Preferred for joinery in wet areas and commercial applications.

THICKNESSES	9 · 12 · 16 · 18 · 25 · 32mm
SHEET SIZES	2400×1200 · 2700×1200 · 3000×1200 · 3600×1200mm

Bord · Allboard · OTTop · Available in green core

EXTERIOR MDF · 50YR WARRANTY

Tricoya® MEDITE TRICOYA EXTREME

The only MDF engineered for full exterior use

Acetylation permanently modifies wood fibres — eliminating moisture absorption without coatings. Class 1 durability, rot-proof, and termite resistant. M-Bossed confirmed embossable. Exterior cladding, wet joinery, outdoor kitchens, pool surrounds.

THICKNESSES	6 · 9 · 12 · 15 · 18mm
SHEET SIZES	2440×1220 · 3050×1220mm
WARRANTY	50 years above ground · 25 years in-ground
CERTIFICATIONS	FSC · No formaldehyde · Class 1 · Termite resistant

Bord · Britton Timbers · Meyer Timber

M-BOSSED RECOMMENDATION

HMR MDF for interior wet areas and joinery. Tricoya® for any exterior or fully exposed application — the only MDF with a genuine exterior warranty, confirmed embossable by M-Bossed.

03 MOISTURE RESISTANT PLYWOOD

Exterior and moisture resistant plywood substrates

MARINE PLY

Marine Plywood

AS/NZS 2272 Marine Grade

Highest-grade exterior plywood. A Bond glue line, void-free core. For high-humidity and semi-exposed applications.

THICKNESSES 4 · 6 · 9 · 12 · 15 · 18 · 25mm
SHEET SIZES 2400×1200 · 2700×1200mm

AS/NZS 2272 · A Bond glue line

EXTERIOR PLY

Exterior Hoop Pine

Exterior Hoop Pine Plywood

Australian Hoop Pine with exterior B Bond glue. High aesthetic finish for clear coating and semi-exposed applications.

THICKNESSES 4 · 6 · 9 · 12 · 15 · 18 · 24 · 30mm
SHEET SIZES 2400×1200 · 2700×1200mm

Austral Ply · Matilda Veneer

EXTERIOR CLADDING PLY

Shadowclad®

Exterior Structural Plywood Cladding — Carter Holt Harvey

Radiata Pine structural plywood with A-Bond exterior glue and H3 LOSP treatment. Vertical exterior cladding and wall bracing. Range: Natural Texture · Natural Groove · Ultra Texture · Ultra Groove.

THICKNESSES 12mm
SHEET SIZES 2440×1200 · 2745×1200mm
BOND/TREATMENT A-Bond exterior · H3 LOSP

AS/NZS 2269 · CHH / ForestOne · Plyco · Just Plywood

M-BOSSED RECOMMENDATION

Marine ply for high-humidity semi-exposed applications. Shadowclad for exterior vertical cladding where a textured panel face is the design intent — confirm embossability with M-Bossed before specifying.

04 FIRE + MOISTURE RATED

Dual-rated substrates for hospitality, aged care, healthcare, and education

MRFR MDF · GROUP 2

Laminex Fireguard®

Fireguard MR MDF — Raw Substrate

The benchmark dual-rated board. Group 2 fire rated and moisture resistant. Australian-made at Toolara, QLD. Certified to AS/NZS 5637.1.

THICKNESSES	9 · 12 · 18mm
SHEET SIZES	2400×1200 · 3050×1200 · 3600×1200mm

BCA Group 2 + MR core · Australian made

MRFR MDF · GROUP 2

Keystone KEY-ECLIPSE

MR + FR MDF Panel

Both moisture resistant and fire retardant core. Suitable for hotels, aged care, schools, and healthcare environments where both ratings are mandatory.

THICKNESSES	Confirm with Keystone
SHEET SIZES	Custom sizes available

Hospitality · aged care · education · healthcare

FR PANEL · GROUP 2

Matilda Hoop Pine FR

Hoop Pine FR Panel

Natural Hoop Pine veneer faces on a fire retardant substrate. BCA Group 2 for feature walls in Class 2–9 buildings.

THICKNESSES	12 · 18mm
SHEET SIZES	2400×1200 · confirm with Matilda

BCA Group 2 · Australian Hoop Pine face

FR PLY · B BOND

Matilda Fireply®

Fireply® — Moisture + Fire Configuration

For applications requiring both fire and moisture resistance, consult Matilda Veneer for high-humidity configurations prior to specifying.

THICKNESSES	12 · 18 · 25mm
SHEET SIZES	2400×1200 · 2390×1190mm

Contact: matildaveneer.com.au

M-BOSSED RECOMMENDATION

For hospitality and aged care where both ratings are mandatory, Laminex Fireguard® MR MDF is our recommended substrate. Talk to us before specifying — we will confirm embossability and lead times.

05 SOLID TIMBER

Finger jointed pine, spruce, and hardwood lining board substrates

FJ PINE · RAW

Finger Jointed Pine

FJ Pine Lining Board — Raw

Plantation softwood with knot-free, stable profile. Our primary solid timber substrate — embosses cleanly and accepts paint, primer, and stain. Feature walls and VJ lining.

THICKNESSES	11 · 18mm
WIDTHS	66 · 88 · 133 · 138 · 184mm
LENGTHS	2.7 · 3.0 · 5.4m

Easycraft · Bowens · Bunnings · local yards

FJ PINE · PRIMED

Primed FJ Pine

FJ Pine Lining Board — Factory Primed

FJ pine with factory primer applied. Top coat paint applied directly after installation. Popular for residential and commercial wall lining.

THICKNESSES	11 · 18mm
WIDTHS	66 · 88 · 133 · 138mm
LENGTHS	2.7 · 3.0 · 5.4m

Easycraft · Design Pine · Bowens

SPRUCE · INTERIOR

Spruce Lining Board

European Spruce — Raw

Fine-grained European Spruce with consistent pale appearance. Slightly harder and more resinous than pine. Popular for Scandinavian-inspired interiors.

THICKNESSES	12 · 18mm
WIDTHS	90 · 120 · 140mm
LENGTHS	2.7 · 3.6 · 5.4m · random lengths

Picea abies · Confirm availability with local specialists

FJ PINE · TREATED

Treated FJ Pine

H3 LOSP Treated FJ Pine — Exterior

H3 LOSP preservative treatment for decay and insect resistance. Suitable for exterior lining under eaves, alfresco areas, and porches.

THICKNESSES	11 · 18mm
WIDTHS	133 · 138mm (132mm cover)
LENGTHS	2.7 · 3.0 · 5.4m

H3 LOSP (Azole) · Provans · Bowens · Pytimber

HARDWOOD · INTERIOR

Hoop Pine

Clear Hoop Pine Lining Board

Queensland-grown Araucaria in clear or feature grade. Fine, uniform grain. Premium for embossed feature walls. Accepts stain and clear finish beautifully.

THICKNESSES	12 · 18mm
WIDTHS	65 · 90 · 115 · 140mm
LENGTHS	2.4 · 2.7 · 3.0 · 3.6m

Araucaria cunninghamii · QLD plantation · VJ Plus · Provans

HARDWOOD · INTERIOR

Victorian Ash / Tas Oak

Appearance Grade Hardwood Lining

Pale, warm Australian hardwood with subtle grain. Responds beautifully to embossing. Premium for feature walls and high-end joinery.

THICKNESSES	12 · 18 · 25mm
WIDTHS	60 · 85 · 110 · 135mm · random
LENGTHS	1.2–5.4m random

Eucalyptus regnans / E. obliqua · Britton Timbers

M-BOSSED RECOMMENDATION

FJ Pine is our primary solid timber substrate — consistent density and clean emboss every time. Hardwoods require confirmation before embossing as density varies — talk to us first.

FIND ALL TECHNICAL DOCUMENTS, FIRE CERTIFICATES & RESOURCES AT:

www.m-bossed.com.au

[TDS](#)

[FIRE CERTIFICATES](#)

[SDS](#)

[INSTALLATION GUIDES](#)

[EPDs](#)

All available to download free – no registration required.

NEED HELP SPECIFYING?

Talk to us before ordering – we'll confirm embossability,
recommend the right substrate, and advise on lead times.

AMERICAN OAK · ROUGH CUT · SCORCHED · DIAMOND · CHECKERS · MATRIX

DESIGNED TO IMPRESS