

MULTIBOARD

A U S T R A L I A

PRODUCT SUMMARY RANGE

Multiboard Australia is committed to leading the way in setting new standards with cutting edge technology within construction, building and design.

Leading the way with an innovative generation of lightweight internal/external Magnesium Oxide (MgO) performance walls; achieving high fire and acoustic ratings in single layer application.

Also forefront leaders represented through design, manufacturing, supply and support of advanced integrated concrete slab systems; achieving an expansion of capabilities with an on-flow of efficiencies.

Now more than ever, the need for high performance, efficient, cost effective, sustainable and safe building materials is an expected minimum standard. Our next generation building solutions are designed to meet the multifaceted demands of today's new age buildings.

For more information on any of our products and services please visit www.multiboard.com.au

NEXT GENERATION BUILDING SOLUTIONS



MULTIBOARD
MGO
PERFORMANCE
WALLS



MULTIBOARD
INTEGRATED
CONCRETE SLAB,
PLATE SYSTEMS



MULTIBOARD
STRUCTURAL /
CIVIL
ENGINEERING



MULTIBOARD
STRUCTURAL
STEEL
FABRICATION



MULTIBOARD
CONCRETE
SERVICES

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HIGH FIRE AND ACOUSTIC LIGHT WEIGHT PERFORMANCE WALL SYSTEMS

Multiboard's range of MgO wall linings and claddings are suitable in the construction of internal/external high performance walls which provide fire and acoustic performance in a single layer application. The materials primarily consists of recycled timber (50%), reinforced fibreglass and magnesium cement. No other wall lining has all these features in the one product.

Features, advantages and benefits:

- Meets deemed-to-satisfy provisions of the National Construction Code (NCC)
- Complies with the relevant deemed-to-satisfy provisions of the Building Code Australia (BCA)
- Classification Type - Tested to the strict requirements of AS 2908.2:2000
- High fire performance - Tested to strict requirements of AS 1530.4
- Non Combustible - Tested to strict requirements of AS1530.1
- High performance testing of ignitability, flame, propagation, heat and smoke release - tested to strict req AS 1530.3
- Safe method of smoke release - tested to strict requirements AS 3837
- Organic emissions - tested to strict requirements ASTM D5116
- Safe release of Gas Analysis method - tested to strict standards EN717-2
- High acoustic performance - Tested to strict requirements of AS 1191
- Thermal - Tested to strict requirements of AS/NZS 4859.1
- UV tested in accordance with the CSIRO to strict standards of ASTM G154
- Water penetration tested in accordance with the CSIRO to strict standards of ASTM E514-03
- High impact resistance
- Single layer applications to achieve fire and acoustic requirements
- Lightweight and ease of use: 30% - 50% lighter than traditional compressed cement sheeting
- Tile and stacked-stone substrate
- Termite proof
- Mould/bacteria resistant
- Use in wet areas
- Environmentally sustainable (with recycled content, low embodied energy)
- No health risk from dust residue during installation (no crystalline silica or asbestos) - Tested as safe

Product Properties (when compared to current fibre cement/plaster board products)



FIRE RESISTANT



IMPACT RESISTANT



ENVIRONMENTALLY FRIENDLY



LIGHTWEIGHT



MOISTURE RESISTANT



ACOUSTICS PERFORMANCE



TERMITE RESISTANT



EASE OF USE & 100% SAFE

iNTERIOR **i**NTELLIGENCE

MULTIBOARD MGO PERFORMANCE WALLS

10mm and 13mm iLINE (rebated-edge to all 4 sides):

- High impact resistance wall lining – twice as strong as CFC
- Non combustible
- Soffit and ceiling and ceiling applications
- Wall linings for dry and wet areas
- Substrate for tiles and stacked-stone

15mm iLINE (rebated-edge to all 4 sides):

- Primarily used for internal fire and acoustic-rated intertenancy walls (units & apartments multi-story)
- Non combustible
- FRL -/120/90 (non load-bearing fire-rated walls)
- FRL 60/60/60 (load-bearing fire-rated walls)
- Single layer achieves relevant acoustic requirements by the BCA
- Cost-effective solution due to single layer applications, in lieu of the conventional multiple layers of material and labour
- High impact resistance wall lining – three times stronger than CFC
- Suitable wall lining in wet/dry areas with fire and acoustic performance

24mm iCORE (party/intertenancy wall system):

- FRL 90/90/90, Rw + Ctr 57dB
- FRL 60/60/60, Rw + Ctr 51dB
- Non combustible
- Single-layer application (unlike other party wall systems)
- No requirement for wet weather protection (during construction)
- Stronger, less chance of breakages
- Better security between dwellings
- Lighter and easier to install
- No potential for mould growth



E~~X~~TERNAL E~~X~~CELLENCE

MULTIBOARD MGO PERFORMANCE WALLS

8mm eXRES (square-edge): Residential Grade

- Expressed-edge external cladding
- High impact
- Brad nailed and glued to timber battens (small nails holes to patch up – better finish)
- Non combustible
- Cost-saving alternative (compared to FC and CFC expressed panel facade systems)
- High quality paint finish achievable

10mm and 12mm eXCOM (square-edge): Commercial Grade

- Expressed-edge external cladding
- Very high impact resistance (3 times stronger than CFC)
- Approximately 40% lighter than CFC
- Non combustible
- 30% installation efficiencies:
 - cut with carpentry tools
 - no pre-drilling and counter sinking of screw holes
 - use of self-drilling collated screws
- Cost-saving alternative to other expressed panel facade systems
- High quality paint finish achievable

8mm eXLINE, 9mm and 10mm eXLINE-R: Residential/Commercial Grade

- 8mm external decorative cladding with vertical grooves or wood grain finishes
- High impact
- 9mm or 10mm square-edge render substrate
- Non combustible
- Cost-saving alternative to similar external cladding systems
- Environmentally sustainable alternative

15mm eXBOUND (square-edge): Residential/Commercial Grade

- External fire-rated boundary wall system
- Single layer application
 - FRL 90/90/90
 - FRL 60/60/60
 - FRL -/120/90 (on a double-stud wall system)
- Non combustible
- External expressed-edge finish
- External concealed joint finish
- Cost-effective solution
- Very high impact resistance (3 times stronger than CFC)
- Can be used as a substrate for tiles and metal cladding

19mm iXFLOOR (grooved-edges):

- High strength, light-weight flooring solution
- Used in both dry and wet area applications
- Substrate for all types of floor finishes including carpet and tiles
- Environmentally sustainable alternative
- Non-combustible



BAMBOO /
RECYCLED TIMBER



MAGNESIUM
OXIDE



FIBREGLASS
GRIDDING CLOTH



MULTIBOARD

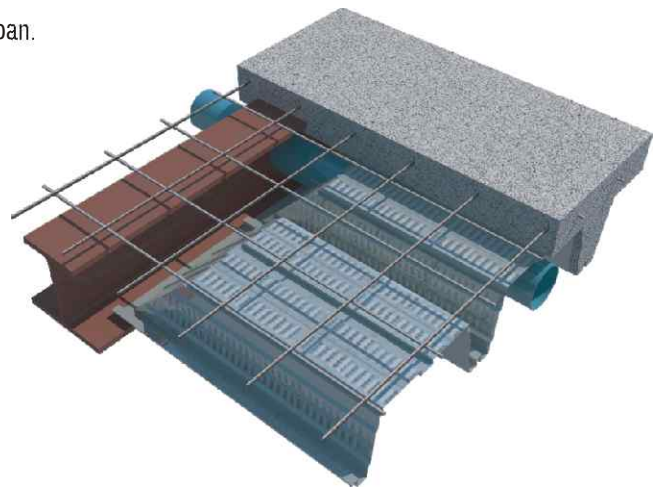


MULTIBOARD INTEGRATED CONCRETE SLAB PLATE SYSTEMS

Cap Deck:

A modular suspended concrete slab deck system offering a slim floor design which enables storey height reduction. Designed with a unique steel profile to carry construction loads for up to 8 metres without temporary propping. A system providing an on-flow of effects designed to save time, money and labour.

- No propping or back-support requirements for up to 8.6 metres in span. Alternatively, one row of props for spans greater than 8.6 metres
- No formwork required
- Approximately 30% of reduction in concrete volume
- Reduced complete suspended slab installation time of 40%
- Tailor-made system to suit different slab designs and applications
- Reduced project costs up to 30%
- Composite design with steel beams – no shear studs required
- 70% reduction in structural steel fire-rating
- Tailor-made system to suit different slab designs and applications. Also adaptable to existing designs
- Certified Concrete Structures as per AS 3600
- Certified Steel Structures as per AS 4100



Ferro Deck:

A modular suspended concrete slab deck system tailor manufactured to fabricate the top and bottom reinforcement from a conventional concrete slab into a truss girder. Designed to enable the steel deck to support the wet concrete and construction loads for up to 5.8 meters with no temporary propping. A system designed to save time, money and labour.

- No propping required for up to 5.8 metre spans. Alternatively, one row of props for spans greater than 5.8 metres
- No formwork required
- Provides 95% of the steel required in a typical suspended concrete slab
- Reduced project costs up to 30%
- Reduced complete suspended slab installation time up to 60%
- Precise location of steel re-bar
- Tailor-made system to suit different slab designs and applications. Also adaptable to existing designs
- Certified Concrete Structures as per AS 3600
- Certified Steel Structures as per AS 4100

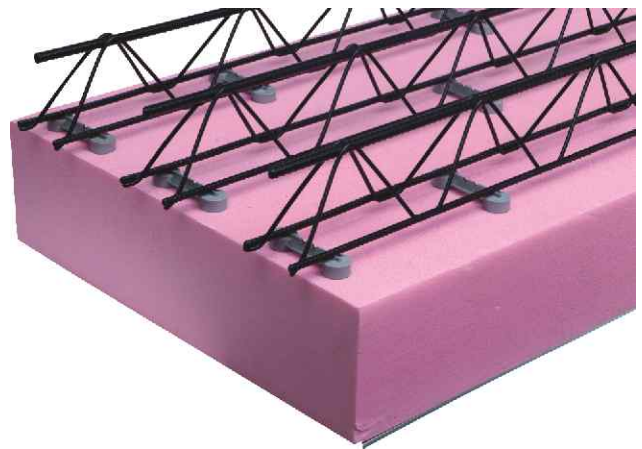


MULTIBOARD INTEGRATED CONCRETE SLAB PLATE SYSTEMS

Insul Deck:

A modular suspended concrete slab deck system inclusive of an all-in-one eco-friendly insulated steel deck plate with no back-propping required for up to 5.8 meters. Insul Deck has a life longevity eco-friendly insulation material incorporated contributing to one of many factors saving time, money and labour.

- No propping requirements for up to 5.8 metres in span. Alternatively, one row of props for spans greater than 5.8 metres
- No formwork required
- Insulated suspended concrete slab, plate system
- Prefabricated, modular system
- Provides 95% of the steel required in a typical suspended concrete slab
- Reduced project costs up to 40%
- Includes eco-friendly insulation material
- Precise location of steel re-bar
- Tailor-made system to suit different slab designs and applications. Also adaptable to existing designs
- Certified Concrete Structures as per AS 3600
- Certified Steel Structures as per AS 4100



Eco Deck:

A modular suspended concrete slab deck system with a detachable lower steel plate for eco-friendly recycling, designed with an option of an exposed concrete soffit. Eco Deck is an all-in-one deck plate system of which the upper truss girder is connected with the lower plate through a spacer, enabling the detachment of the lower plate after curing of the concrete. Designed to carrying construction loads for up to 5.8 meters unsupported contributing to a cost effective project.

- No propping requirements for up to 5.8 metres in span. Alternatively, one row of props for spans greater than 5.8 metres
- No formwork required
- Eco friendly suspended concrete slab with detachable plate system
- Recyclable steel plate
- Provides 95% of the steel required in a typical suspended concrete slab
- Reduced project costs up to 30%
- Tailor-made system to suit different slab designs and applications. Also adaptable to existing designs
- Certified Concrete Structures as per AS 3600
- Certified Steel Structures as per AS 4100



BEFORE PLATE
SEPARATING

AFTER PLATE SEPARATING
(CONCRETE SURFACE)



For a structural review in utilisation of the integrated concrete slab plate systems of your existing or upcoming developments, please forward the relevant plans and inquiries to info@multiboard.com.au. This is where the team at Multiboard will evaluate, recommend and contact you for the best suitable solution.