



Fire Protection

General purpose building boards



Vivalda
bringing construction to life®



Introduction

Why come to Vivalda for your boards?

- We offer general purpose building boards, non-combustible and limited combustibility fire-boards
- ISO 9001 registered
- In Stock Now
- Delivered Cut to Size
- Site Off-Load Facility
- Independent and unbiased supplier
- Expert Staff
- Vivalda will advise on the appropriate board for your application
- Vivalda offer the most competitive rates available
- Accessories and fixings available from stock
- Pick up from one of our 4 branches if you need:
London - Birmingham - Hull - Manchester

INDEX

Building Boards

Supalux	4
Masterboard	5
Hydropanel	6
Fermacell	7

Cement Bonded Particle Boards

	8-9
Cemboard	10
Cempanel	11
Duripanel	12
Viroc	13

Direct Render Boards

Renderflex	14
BluClad	15



Thank you for coming to Vivalda for your building board requirements. We offer no-nonsense advice and the best prices you'll find in the market. From recommendations on fire rating, fixing and suitability we'll find the right board for you. Or Vivalda can simply prepare the boards to your specification and supply from stock. Whatever your enquiry, we'll be delighted to help.

Ben Jayes
Managing Director

Supalux

Supalux is a strong, lightweight non-combustible building board for use in many fire applications. It is a high performance board which can be used in constructions providing up to 240 minutes fire protection. It is simple to work and fix, easy to decorate, resistant to effects of moisture and will not rot or decay.

Supalux is a non-combustible calcium silicate board reinforced with selected fibres and fillers. It is formulated without inorganic fibre and does not contain formaldehyde.

Supalux is off-white in colour and has a smooth finish on one face with a sanded reverse face. It can be left undercoated or is easily finished with paints, wall paper or tiles.

Properties

Surface spread of flames: Class 1 BS476 Pt 7 and Class O surface as defined by the regulations – it has fire resisting properties equivalent to asbestos. It is easy to work and decorate, undamaged by moisture, does not cause smoke or give off toxic gases. Supalux has higher heat insulation qualities than Masterboard.

British Standards

BS 476 Part 4: Non Combustibility

Other Applications

Supalux ceiling panels are available. Roofs, Cavity Barriers, Services (cables and pipes), General services enclosures. Various bevelled edge finishes

Alternatives

Siltech



Advantages

- Resistant to moisture
- Usable in damp or humid conditions
- Not degraded by age
- Bevelled edge panels

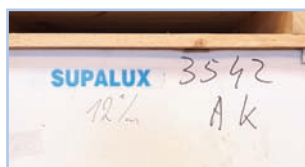
Main Applications

- Timber & steel frame partitions
- Single skin solid wall
- Fire protection to timber floor
- Wall, ceiling linings and suspended ceiling
- Ducting & structural steel work casting
- Construction & upgrading of timber or panelled doors

Dimensions

Thickness	6, 9, 12, & 15mm*
Width	1200mm
Length	2500mm

Weight available upon request.
*20 & 25mm available to order



Masterboard



Masterboard is a versatile Class O building board, suitable for use in a wide range of internal and semi-exposed applications. It is of limited combustibility and can be used in constructions providing up to 60 minutes fire protection.

Masterboard is a calcium silicate board reinforced with selected fibres and fillers. It is formulated without inorganic fibres and does not contain formaldehyde.

The colour is off-white and the board has a smooth finish on one face with a sanded reverse face. The board is not classified as a dangerous substance, and can be disposed of in an on-site skip.

Properties

Surface spread of flames: Class O to the building regulations and Class 1 BS 476 Pt 7 – of limited combustibility to BS 576 Pt 11. Can provide 1/2 hour fire resistance and will not give off toxic smoke or gases in the event of a fire. Undamaged by moisture however some loss of strength will be experienced which is fully recovered on drying.

Main applications include soffits, partition wall and roof linings, ducts and pipe covers, and airing cupboard linings, integral garage ceilings. Fire doors. Unlike Supalux, Masterboard can be used externally in semi-exposed applications.

Alternatives

Siltech
Minerit Multipurpose

Advantages

- Resistant to moisture
- Damp-proof
- Withstands high temperatures & temperature changes
- Can be decorated

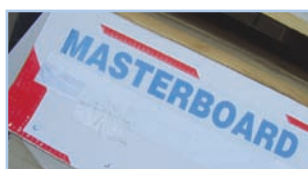
Main Applications

- Partitions
- Ceilings
- Wall & roof linings
- Soffit, porch or canopy lining
- Boiler & airing cupboards lining
- Door upgrades

Dimensions

Thickness	6, 9, & 12mm
Width	1200mm
Length	2500mm

Weight available upon request.



Hydropanel



Hydropanel is a high performance building board offering high levels of moisture resistance along with Class O fire performance and dimensional stability.

The boards are easy to handle and work and can be fixed using standard tools to a variety of timber or metal fixing systems.

The boards' smooth surface and tapered edges allow for decoration in the same way as standard plasterboard.

Also available in the range are Eterstrip and Eterfiller for seamless jointing of Tileboard.

Advantages

- Fire safe (no fire ignition, no spread of fire)
- Sound insulating
- Resistance to extreme temperatures
- Water resistant (only use for interior applications)
- Resistant to fungi, bacteria, insect, vermin etc.
- Resistant to many chemicals
- Environmentally friendly, no harmful gas emissions
- Strong, rigid and versatile
- Can be worked with joinery machinery
- Screw and nail without pre-drilling
- High level of dimensional stability applications
- Noise performance Hydropanel offers real advantages in acoustic insulation systems: in floors, ceilings or walls

Main Applications

- Kitchens, bathrooms, basement
 - Swimming pools, sanitary areas, shower & changing areas
 - Classrooms
- All tiled area applications.

Dimensions

Thickness	6, 9, 12mm
Width	900, 2600, 3000mm
Length	1200mm

Weight available upon request.



Fermacell



Fermacell is a high performance multi-purpose building board that combines the properties of solid blockwork with the speed and flexibility of conventional drywall techniques.

Fermacell is produced using recycled gypsum, recycled cellulose fibres from post consumer waste paper and recycled water, combined to form a homogenous mass, which is then formed into a dense sheet material. Fermacell passed the 60 mins test fire resistance from single layer partitions up to 10 m high. Class '0' certificated.

It may be applied as a sheathing board on both timber and structural steel framed external wall infill panels, as a liner for unexposed eaves soffits and canopies and also for lining roof trusses used as separating wall frames.

Properties

Fermacell assures strong impact resistance– Severe duty, able to withstand impact from people and well as objects (door handles etc). The boards are also characterized by their good acoustic performances often with less layers than plasterboard constructions providing slimmer partitions.

The composition of Fermacell allows up 50 kg per fixing to be hung from

Fermacell using a toggle bolt and 30kg from a single screw. Fermacell allows the partitions to be installed

before the building envelope is complete. Fermacell Boards are manufactured from 100% recycled content and are recyclable. Decreasing the carbon footprint and increasing the BRE rating of the building.

Advantages

- Class 'O' fire performance
- Sound insulating
- Environmentally certified
- Impact resistant
- Ready to decorate
- Resistant to moisture
- Load-carrying
- Rigid structure

Main Applications

- Partitions
- Hotels, hospitals
- Linings
- Floors & ceilings

Dimensions

Thickness	from 10 to 18mm
Width	1200, 1500, 6000mm
Length	600, 1000, 2540mm

Weight available upon request.



Cement Bonded Particle Boards



Cement Particle Boards are also known as CPBP, Building Boards, CP boards, Backer Boards, Carrier Panels or Sheathing Boards.

CP BOARDS:

CEMPANEL

CEMBOARD

DURIPANEL

Vivalda supplies all the available brands of CBPB in the UK

All the boards have different characteristics and strengths to meet specification requirements. This will also depend on the area of application. Vivalda can assist you with any technical detail upon request. Please note that the boards detailed on this page are all cement bonded particle boards. A popular name on the market is Pyrok, which has now been rebranded as 'New Pyrok' and has a different composition. A good alternative to the old Pyrok, which is no longer made, is 'Duripanel'.

The general product make-up of all these boards is wood chip, portland cement, wood mineralisation materials and water.

Product features

Internal - tile backer / wet rooms

External - roof systems

Wall partitions - render systems

Floors - substrate application

Ceilings - alternative to chipboard or plywood

Acoustic applications - walls, floors, suspended ceilings, ceilings.

Backing board - carrier panel for cladding systems including terracotta, brick slip and coating systems or exterior cladding panels.



MULTI-PURPOSE

FIRE-RESISTANT

DID YOU KNOW?

Vivalda also offer soffit liner strips cut from fully external cementitious class O rated board from stock. These are ideal for under cloaking roof or window sills. These strips are available in 4.5 mm widths, and in the following dimensions:

2440 x 100mm, 2440 x 150mm, 2440 x 225mm, 2440 x 300mm, 1220 x 150mm



NEW PYROK

VIROC

Product Advantages

- cut to size service fabrication prior to site
- easy to fix
- high contribution to sound insulating systems
- water resistant
- impact resistant
- frost resistant
- can be calibrated, planed, sanded, drilled, routed, screwed and primed.

Product Benefits

- Class 'O' or Class '1' fire rated, free from formaldehyde and isocyanates.
- free from wood preservatives, lindane and fungicides
- biologically safe
- can be disposed of on a landfill site
- can be decorated with different finishes
- good structural properties.

Product Application

- fabrication service - cut to size prior to delivery
- easy to fix - screws, nails, staples
- easy to work - handsaw, circular saw

Dimensions

Thickness	from 6mm through to 32mm
Width	1200mm or 1250mm
Length	standard 2400mm up to 3000mm in length

Further product information available on request



EASY TO USE

CUT TO SIZE

VERSATILE

Cemboard

Cemboard is a rigid, medium density, high performance cement building board which combines the strength and durability of a concrete product with the workability of timber. Cemboard is classified as a Class 'O' building material : its cemboard fire rated partition systems have been tested in accordance with BS 476: Part 22:1987. 1 and 2-hour fire rating systems are available to cater for most local building regulation requirements.

This board is also classified as a sheathing and acoustic building board. The product is used extensively as an outer sheathing board onto metal and timber frame structures, behind the outer cladding finish. Cemboard can be used for a variety of general purpose applications: behind external cladding systems as a sheathing board, or in acoustic applications in walls, floor and roof structures.

Cutting Drilling and Nailing

Cemboard can be cut, drilled, nailed and worked in a similar fashion to timber and chipboard with standard wood working tools, but offers a much longer performance life. It can be cut easily on site with tungsten carbide tipped saws.

Surface

Cemboard has a smooth surface which can be coated with minimum preparation. Alkali resisting paints can be applied directly on to the board. For other types of paint, an alkali resisting primer should be applied first.

Maintenance

Cemboard can be virtually maintained for free and so this board provide a real cost effective choice.

Health & Safety

Appropriate health and safety precautions must be adhered to when working with this product.

Alternatives

Cempanel
Duripanel



Advantages

- Class 'O' fire performance
- Excellent acoustic properties
- Resistant to moisture
- Resistant to termites, vermin, fungus etc.
- Weather Resistant
- Easy to cut/drill

Main Applications

- External cladding (substrate)
- Infill panels
- High impacts lining
- Walls, floor and roof acoustic linings

Dimensions

Thickness	8,10,12,16,18,20, 24 & 32mm
Width	1200mm
Length	2400mm
Weight available upon request.	



Cempanel

Cempanel is produced by mixing fine wood particle, Portland cement and mineralising agents. The fresh boards are kept in the maturing store and passed through the conditioning chamber to bring them to equilibrium moisture content.

Cempanel is one of the most durable building boards. It combines the strength of cement with the flexibility of wood.

Cempanel provides a certified fire resistance: it is classified as Class 'O' material passing the 1 hour and 2 hours fire rating test according to BS 476 Part 22.

Properties

Insects will not attack Cempanel because the wood particles are immersed in cement. Fungi cultures do not develop on it because of its alkaline nature (PH Value=12). Thanks to its heat insulation properties Cempanel helps saving energy bill for both heated and air-conditioned area. Most conventional wood-working tools and procedures can be applied when working on this board that provides an excellent eco-friendly substitute for natural wood.

Alternatives

Cemboard

Duripanel



Advantages

- Class 'O' fire performance
- Excellent acoustic properties
- Resistant to moisture
- Resistant to insects, vermin, fungus etc.
- Weather Resistant
- Heat insulating property
- Can be decorated

Main Applications

- External cladding (substrate)
- Infill panels
- High impacts lining
- Walls, floor and roof acoustic linings

Dimensions

Thickness	8, 10, 12, 16, 18, 20, & 24mm
Width	1200mm
Length	2400mm
Weight available upon request.	

Duripanel

Duripanel is produced by mixing wood chips, Portland cement, wood mineralisation materials and water. The sheets are manufactured using three application machines for the middle and surface layers.

Duripanel is a smooth, highly durable, rot-resistant structural cement-bonded particle board ideal for a variety of load-bearing applications. This board also can provide sound insulating systems and impact and moisture resistance. Duripanel provides a valid alternative to chipboard or plywood.

Surface spread of flames: Class O to the building regulations and tested in accordance with BS 476:Part 22:1987. Can provide 1/2 hour fire resistance and will not give off toxic smoke or gases in the event of a fire.

Cutting

Duripanel can be hand cut with an ordinary cross cut saw. Power saws with a tungsten carbide blade can also be used. Duripanel is not suitable for rough cutting.

Fixing/Drilling

Use normal high speed drills. Do not use percussion drills. Place scrap board beneath the drilling location to ensure a clean hole. Use drill bits with HSS steel tips.

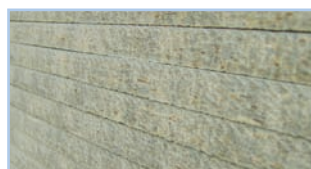
Nailing, screwing & stapling

Up to 12mm thick Duripanel can be manually nailed without pre-drilling. For thicker boards pre-drill with slightly oversize holes. When

power nailing, boards up to 24mm thick can be nailed without pre-drilling, and also shot-fired. When screwing with conventional screws, pre-drill with a slightly oversize hole. Pre-drilling is not required for any thickness when using modified TEK screws. Please refer to technical department for further details.

Alternatives

Cempanel
Cemboard



Advantages

- Strong acoustic properties
- Class O fire performance
- Impact & moisture resistance
- Frost resistant
- Resistant to fungi, bacteria, vermin etc.

Main Applications

- Acoustic linings
- Roof decking
- High impact linings
- infill panels, fascia panels and barge boards
- Fascias & Bargeboard

Dimensions

Thickness	10 & 12mm
Width & Length	2400x1200mm 2600x1250mm 3000x1250mm

Weight available upon request.
Other thicknesses available upon request.

Viroc

This structural cement board is a smooth finish cement particle board, for use in load-bearing applications.

Viroc provides partly limited sound insulation, impact resistance and moisture resistance. Vivalda can offer more durable alternatives to this Portuguese made board, which can provide a better resistance to the rigours of the British winter.

Viroc is not a Class 'O' board. Please see pages for products listed below for certified class 'O' boards: Cempanel, Cemboard, Duripanel/New Pyroc.

Alternatives

Viroc and the other cement particle board alternatives can be used instead of chipboard or plywood, when there is a need for one or more of these properties.

Properties

Viroc and other cp board can be used for a variety of general purpose applications such as walls, pavements, ceilings and other general applications of panels.

This panel is worked as the classic panel of particles: it can be cut like wood and can be drilled with a conventional high-speed brace.

Viroc is not suitable for rough cutting.

The fixation of Viroc panels can be made with nails, screws, staples, stickers and glues in the case of wood

structures, or screws, stickers or glues in the case of structures of steel.

Viroc panels, as all the other cement particle boards offered by Vivalda are non toxic, they don't contain dangerous volatile compounds, so they do not constitute a danger for the atmosphere or for the public health. However due to their size and weight they can present some risks namely in the handling and cutting. These risks can be controlled if health and safety rules are followed. Please check stock availability as the Viroc factory shuts down in the Summer and stock is not always available at short notice the rest of the year.



Advantages

- Acoustic properties
- Class 1 fire performance (not class 'O')
- Impact resistant
- Resistant to fungi, bacteria, vermin etc.

Main Applications

- Acoustic linings
- Roof decking
- High impact linings

Dimensions

Thickness	6, 8, 10, 12 & 16mm
Width	1200mm
Length	2400mm-3000mm
Weight available upon request	



Renderflex



Direct Render Boards are used as a substrate for a variety of thin coat polymeric renders, textured finishes and other surface coatings providing a seamless finish in all applications. Render Boards are characterized by high tensile strength that resists bending to prevent cracking and deformity, providing an excellent resistance to impact damage. Vivalda direct render boards are class 'O' fire rated and are not affected by moisture and water penetration. The boards are easy and quick to install. The rough surface of these boards is suitable for direct application of a wide range of finish renders. This ease of application and finishing enables the reduction of on-site working schedules, proving to be cost effective.



Renderflex is a cellulose/fibre cement building board, specifically designed as a carrier board for polymer modified render systems.

The board has been formulated to achieve a strong key between the polymer basecoat and the Renderflex, and is manufactured to achieve the minimum amount of movement in the board possible, reducing any stress being applied to the render system

RCM Renderflex is manufactured from a mixture of specially treated cellulose fibres, Portland cement, sand and other additives.

Properties

Renderflex is resistant to the general effects of moisture, humidity

changes, rot, insects, vermin, and has good fire related properties.

Renderflex can be cut, drilled, sanded and worked in a similar fashion to cement particle board, or other fibre cement boards. For extensive cutting the usage of an electroplated diamond continuous rim cutting blade (EPC) diamond blade is recommended, however tungsten carbide tipped blades such as used on circular saws can be used for on-site cutting.

Renderflex is primarily designed to be used as an external carrier board for direct thin coat render system.

Advantages

- Class 'O' fire performance
- Sound insulating
- Impact resistant
- Ready to decorate
- Resistant to moisture
- Resistant to rot, insects, vermin
- Load-carrying
- Rigid Structure
- Easy to cut/drill

Main Application

- Rainscreen cladding
- Half-timbered effects
- Internal wall linings (substrate)
- Sheatings
- Fascias and bargeboards
- Infill panels

Dimensions

Thickness	from 6, 9, 12mm
Width	1200mm
Length	2400mm
Weight available upon request	

BluClad

BluClad is the first breakthrough asbestos-free building board technology classified as Calcium Silicate board. BluClad is a flat Class O building board with outstanding dimensional stability.

BluClad can be used as substrate for a variety of thin coat polymeric renders, textured finishes and other surface coatings. BluClad can also be used to provide a seamless finish.

BluClad is available in a standard 10mm thickness, it is off white in colour, has a smooth surface on the front and is textured on the reverse.

The smooth face is for painting and the textured face is for thin coat polymeric renders.

Recommended Applications

BluClad can also be used within an insulated render system.

Fixing

BluClad can be installed using either countersunk screws (number 6 - 8) or nails (5mm minimum head diameter).

BluClad should be fixed to support studs at maximum 600mm centres. BluClad can be finished with this thin coat polymeric renders or other surface coating.

Finishing

Where seamless finishes are required, building boards should be installed "stretch bond" fashion, i.e. long

edges horizontal and vertical edges staggered.

Note: BluClad must be decorated for external use.

Cutting

BluClad is easy to cut on site with standard woodworking tools.

Alternatives

U.A.C Boards, Superflex & E board



Advantages

- Class O fire performance
- Weather resistant
- Easy to cut, work & decorate
- Good dimensional stability
- Moisture resistant

Main Applications

- External cladding (substrate)
- Infill panels
- Internal wall linings (substrate)
- Fascias & bargeboard
- Sheathing & rainscreen cladding
- Half-timbered effects

Dimensions

Thickness	10mm
Width	1200mm
Length	2400
Weight available upon request	



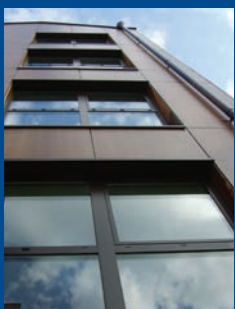
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