



pin boards & notice boards



in tune with nature

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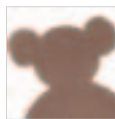
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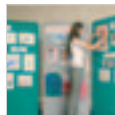
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Conditioning and fixing guide

Sundeala

Background

Sundeala Medium board is a truly versatile product fitting into any workplace or environment.

Sundeala offer a diverse approach to pin boards and notice boards. All pin boards in this catalogue use Sundeala Medium board made from waste newsprint — ideal for those organisations with an environmentally friendly philosophy.

Environmentally friendly

Sundeala is committed to recycling. Its environmentally sustainable board is almost 100% recycled and meets all UK corporate, government and local authority environmental policy statements.

Old newspapers are re-processed into Sundeala boards. The 24-hour Sundeala facility produces 0.3 million boards each year — that's the equivalent of processing approximately 110 million newspapers or 4,000 tons of waste newspaper per annum.

As each ton represents around three cubic metres of landfill space, that's a saving of 12,000 cubic metres a year — just from one factory!



Features and benefits

No other noticeboard has ever matched Sundeala for its near perfect combination of properties:

-  Sundeala boards feature a quality pre-sanded, soft-feel surface which belies the densely compacted fibres within. These give the boards its strength and durability.
-  Pin retention is a characteristic which is difficult to quantify, however for safety and reliability Sundeala has become the benchmark.
-  Durability can also be a key issue. The lifelong performance of Sundeala boards is unrivalled, as exposed boards are easily restored when grubby or worn.
-  Fire safety in public areas can be satisfied by specifying the Sundeala FRB Quality, with its flame retardant properties.
-  Comprehensive selection of products with a multitude of sizes and colours, together with special purpose boards.

Sundeala boards

The world's most versatile pin board

Sundeala boards are extremely versatile and look great without a frame or fabric covering. See pages 4 and 5 to see just how versatile they can be!

Easy to cut and shape, Sundeala boards can be fabricated on site to fit applications with variable dimensions.

Sundeala 'K' Quality and 'K' Colourboard

Intended for interior use 'K' Quality is a natural unbleached light grey colour. The 'K' Colourboard is integrally dyed using non-toxic mineral pigments. Available in blue, green, red, charcoal, lilac, orange, yellow and wheat. The product conforms to BS EN 622-3 type MBL.

Sundeala 'A' Quality

Incorporates natural colouring and binders to reduce moisture absorption and increase stability for exterior use in sheltered conditions. Light brown in colour the product conforms to BS EN 622-3 type MBL.E.

Sundeala FRB and FRB Colourboard

Integrally treated by the addition of flame retardants to achieve Class B flame rating under European Harmonised Standard BS EN 13823 2002 & BS EN 11925-1. For interior use where previously Class I and Class 'O' options were required. Standard FRB is light grey in colour, however FRB is also available in blue, green, red, lilac and wheat.

Conditioning

The cellulose fibre content of Sundeala requires the board to be conditioned before application. Dry, unconditioned boards may absorb local atmospheric moisture and thus expand between fixings, making the board bow or warp.

This is prevented by ensuring the board has a high moisture content, compared to its surroundings, before fixing. Drying out of the board after fixing will result in slight shrinkage, ensuring that it becomes 'drum tight', giving many years — even decades — of reliable service — please see 'Conditioning' details on pages 16 and 17. In new build glazing must be installed, heating commissioned and the building properly conditioned before Sundeala products are fixed.

Where to buy

Sundeala boards can be sourced from our nationwide network of specialist sheet material distributors and builder/timber merchants. Boards are supplied in sheet sizes of 1220 x 2440mm (8' x 4'). For prices on the full range of Sundeala boards please contact our distributors direct. The Sundeala Sales Office, will be pleased to provide you with a list of your nearest outlets.



Product	Edge detail	Size (mm)	Thickness (mm)	Density Kg/m ²	Weight Kg/m ²	Fire performance	Acoustics α_w
'K' Quality	Square	1220 x 2440	6 & 9	500	6mm 3.3 9mm 4.9	—	0.15
'K' Colourboard	Square	1220 x 2440	9	500	4.9	—	0.15
'A' Quality	Square	1220 x 2440	12	500	6.7	—	0.15
FRB	Square	1220 x 2440	9	650	6.5	Class B	0.15
FRB Colourboard	Square	1220 x 2440	9	650	6.5	Class B	0.15



Fire performance & FRB board

The fire performance requirement of Building Regulations Approved Document B — Internal Fire Spread (linings) is to inhibit the spread of fire within the building. In this respect the new European Harmonised test standards BS EN 13823: 2002 and BS EN 11925-2 replace British Standard BS 476: Parts 5, 6 & 7.

Below is the European classification alongside the old British Standard class, together with their uses within the Building Regulations.

England & Wales

Extract from Approved Document B2 Section 4 (Section 7) Table 10 (ES)

Location	European Standard Class	British Standard Class
Small rooms of area not more than: a) 4m ² in residential accommodation b) 30m ² in non-residential accommodation	D	3
Other rooms:		
Circulation spaces within dwellings	C	1
Other circulation spaces including the common areas of flats and maisonettes	B	0

7.4: Parts of walls in rooms may be of a lower class than specified above provided the total area of those parts in any one room does not exceed one half of the floor area of the room, subject to a maximum of 20m² in residential accommodation and 60m² in non-residential accommodation.

For **Scotland**, Technical Standards Table 3 (D1.3): Reaction to fire aligns Class B with Class 'O' under the classification of 'Low'.

In the **Republic of Ireland** Appendix A and to part B (paragraphs A9 and A10) of Technical Guidance Document B, Fire Safety, Building Regulations describes Class 'O' criteria.

Sundeala FRB board has been tested under the European Harmonised Standards BS EN 13823: 2002 and BS EN 11925-2 and fully meets the criteria for Class B. Sundeala FRB may therefore be used in locations that previously required British Standard and Building Regulation classifications of Class 1 and Class 'O'.

As a general guide Class B products should be used in fire escape routes, corridors, stairways, lobbies, kitchens, workshops, laboratories etc. If in doubt your local Fire Officer can advise on their correct use.



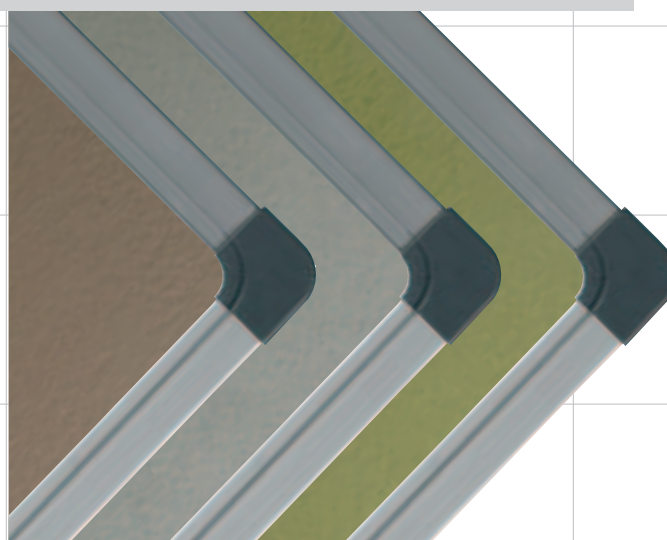
All products marked with this symbol in the catalogue have been tested to comply with these requirements. Please see Sundeala price list for further details.

Sundeala noticeboards

Without frames



With aluminium frames



With wood frames



No fabric required

Sundeala noticeboards are pre-cut to size offering all the benefits of full size Sundeala boards but in a manageable notice board size. These products can be ordered either through a Sundeala distributor or direct from Sundeala Ltd.

Sundeala boards are pre-sanded offering a soft velvety texture that requires no fabric covering.

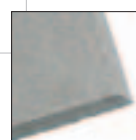
They are easy to maintain offering many years of serviceable use.

Bevelled edges

Apart from our standard square edge, boards can be supplied with a bevelled edge detail.



Square edge



Bevelled edge

Sundeala is available in:

- Sundeala 'K'
- Sundeala 'K' Colourboard
- Sundeala FRB
- Sundeala FRB Colourboard

Bespoke sizes

Although we offer a comprehensive range of standard boards you may require your own unique sizes. Please check with our Sales Office for further details.

Standard sizes (mm)

900 x 600
1200 x 600
1200 x 900
1200 x 1200
1500 x 1200
1800 x 1200
2100 x 1200
2400 x 1200

Board size includes frame
(where applicable).

Frames available



Aluminium Frames

Lightweight satin finished frames with dark grey plastic safety corners, complete with easy to fix brackets.



All Sundeala notice boards are supplied with wall fixing kits.

Wood Frames

Our standard is idigbo, which resembles oak and is sourced from managed forests. Alternative frames are available in beech, maple and ash. All frames have a flat profile with a simple mitred corner and are lacquer finished.



Fixing environment

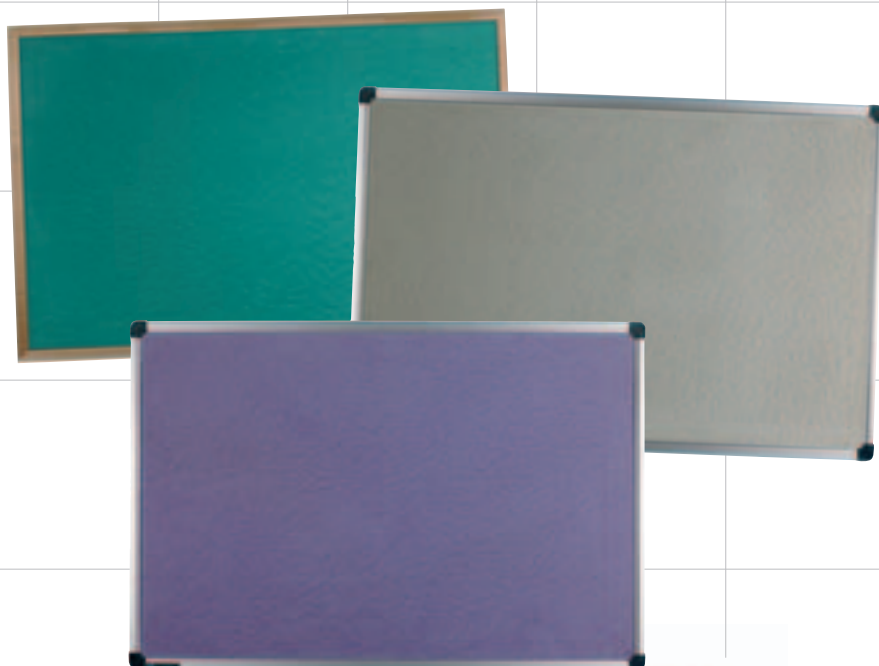
In new build glazing must be installed, heating commissioned and the building properly conditioned before Sundeala products are fixed.

Product conditioning

Please refer to the fixing and conditioning details on pages 16 and 17 for unframed Sundeala boards. Framed notice boards do not require conditioning with water, however, boards should be stored loose, flat and unwrapped in the area they are to be used for at least 48 hours prior to fixing.

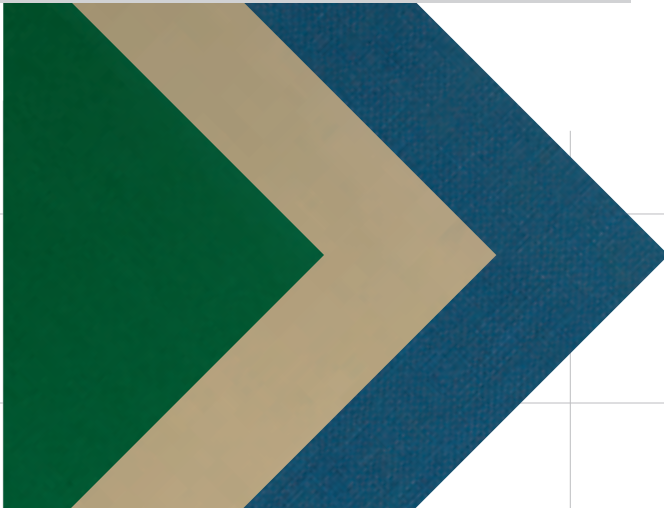
Maintenance

Damaged or grubby surfaces of all Sundeala boards can be restored using fine sandpaper. This is particularly beneficial with Colourboards where dirty marks or scuffs can be easily removed, whilst maintaining the vibrant colour.



Sundeala fabric covered noticeboards

Without frames

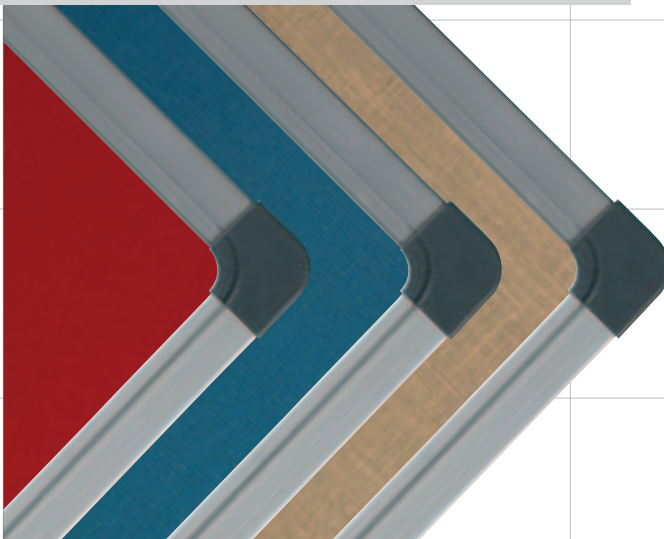


We offer a comprehensive range of sizes, standard fabrics and colours. These fabric covered boards utilise Sundeala 'K', however, for fire critical areas we supply FRB. Please refer to 'What's the flaming difference' for details.

Bespoke products offer an enormous selection of cut boards together with an extended range of fabrics and colours. . . Your choice is our command!

- Unframed products offer excellent value as budget options.
- An enormous range of fabrics and colours are available. Please check with our Sales Office for further details.
- Stitch bonded fabric to Class B flame spread.
- Other fabrics available on request. Please call the Sundeala Sales Office for a quotation.

With aluminium frames



Frames available

Aluminium Frames

Lightweight satin finished frames with dark grey plastic safety corners complete with easy to fix brackets.

Wood Frames

Our standard is idigbo, which resembles oak and is sourced from managed forests. Alternative frames are available in beech maple and ash. All frames have a flat profile with a simple mitred corner and are lacquer finished.

With wood frames



Standard sizes (mm)

900 x 600
1200 x 600
1200 x 900
1200 x 1200
1500 x 1200
1800 x 1200
2100 x 1200
2400 x 1200

Bespoke sizes also available on request together with a variation of board options. Board size includes frame (where applicable).



What's the flaming difference?

Passed

A. Sundeala FRB with a flame retardant fabric after 5 minutes. There is very limited flame spread despite the powerful gas flame.

B. Sundeala FRB with a flame retardant fabric at the test end after 30 minutes. Very little damage is recorded with limited flame spread.



Failed

A. Competitor non retardant base board but with flame retardant fabric after only 2 minutes. Flame spread is evident both sides of constant flame source.

B. At test end after 30 minutes. A majority of the board and fabric have burned away completely.



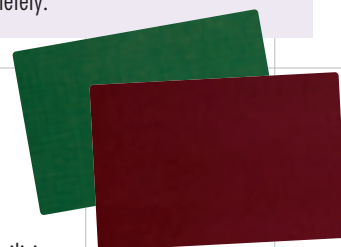
It is vital, if a fabric covered flame retardant notice board is required, that both the base board and the fabric covering meet the relevant test requirements.

Fire Officers are aware of performance criteria and will not accept products without a composite fire test certificate.

Sundeala carried out a series of tests under the new European standards and the results are evident from the photographs above. It must be noted the primary source of flame, which is gas generated, remains constant throughout the duration of the test.

Both tests used an identical flame retardant fabric. The only difference between the two is the choice of base board, one utilising Sundeala FRB, and the other a standard, non flame retardant product.

All fabric covered Class B notice boards produced by Sundeala are supplied with the appropriate material over an FRB board.

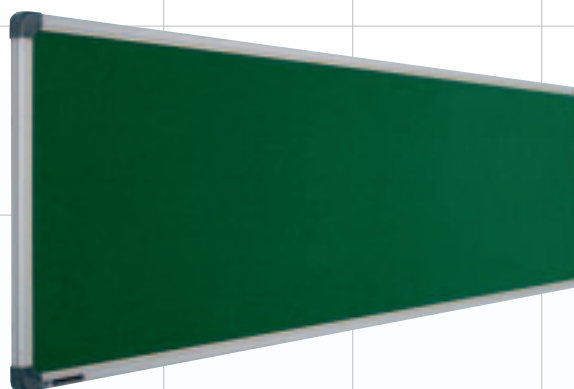


Fixing environment

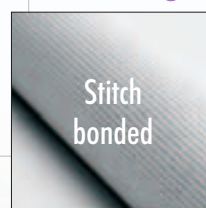
In new build glazing must be installed, heating commissioned and the building properly conditioned before Sundeala products are fixed.

Product conditioning

Fabric covered notice boards do not require conditioning with water (see pages 16 and 17), however boards should be stored loose, flat and unwrapped in the area they are to be used for at least 48 hours prior to fixing.



Fabric range



A selection of colours available — please refer to website for pdf files.

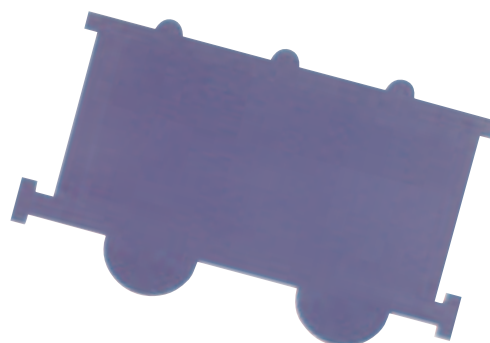
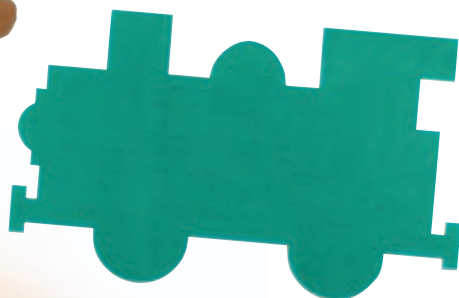


Other options available on request.

Sundeala Shapes



FUN SHAPES



An exciting new dimension

Decorative pin boards utilising Sundeala 'K' Colourboard can be used as a focal point, giving a new meaning to those important messages and displays.

All fun shapes are approx. 850 x 510 x 8mm thick and are available in nine colours.

Fun Shapes are die stamped and supplied within their rectangular surrounds, together with double sided self-adhesive tape for fixing. Screws and colour coded cap washers can be supplied as an alternative to tape, please state your preference when ordering.

Sundeala shapes are the ideal way to brighten up walls and add interest to the environment.

Fixing environment

In new build glazing must be installed, heating commissioned and the building properly conditioned before Sundeala products are fixed



FROM
£7 PER
SHAPE

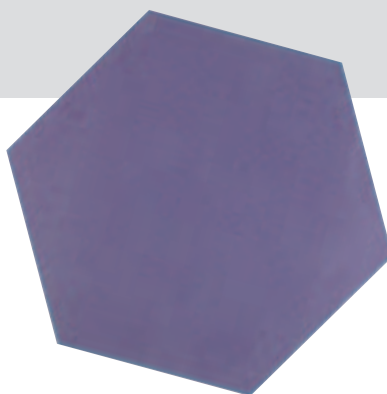
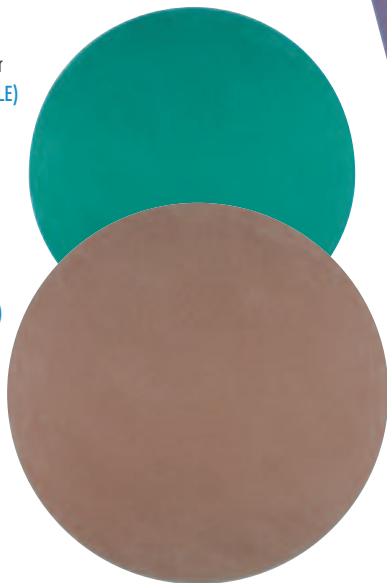




850mm Diameter
8mm thick (CIRCLE)

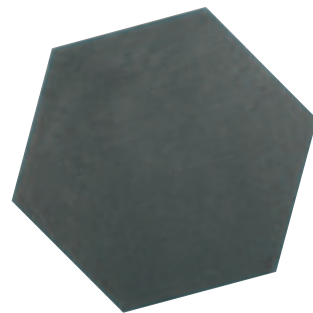
1000mm Diameter
8mm thick (CIRCLE)

CIRCLES



1000 x 1150mm
8mm thick (HEXAGON)

HEXAGONS

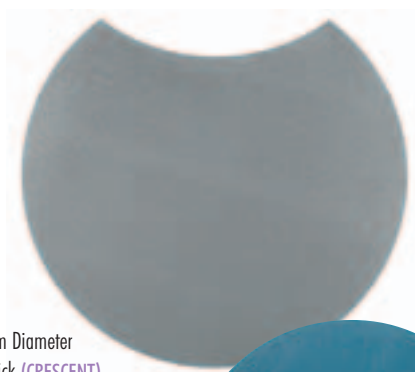


750 x 850mm
8mm thick (HEXAGON)

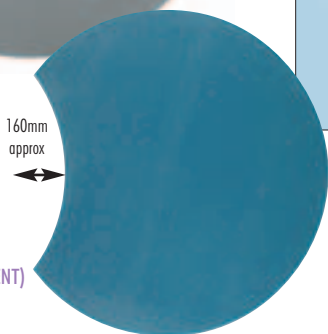
Geometric shapes

For use as pin boards or decorative wall panels. Circles and hexagons, either used as an individual shape or as interconnecting panels.

Available in nine colours: blue, green, charcoal, red, yellow, lilac, orange, wheat and light grey.

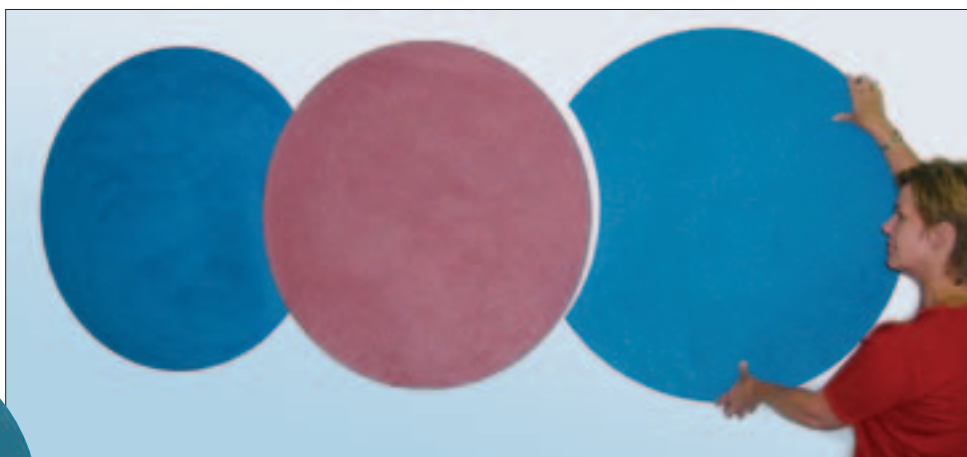


1000mm Diameter
8mm thick (CRESCENT)



850mm Diameter
8mm thick (CRESCENT)

160mm
approx

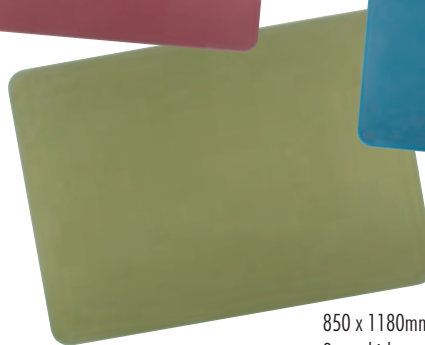


**SPECIAL
PRICE PACK
QUANTITIES ARE
— AVAILABLE —
SEE PRICE
LIST**



510 x 850mm
8mm thick

RADIUS CORNER



850 x 1180mm
8mm thick



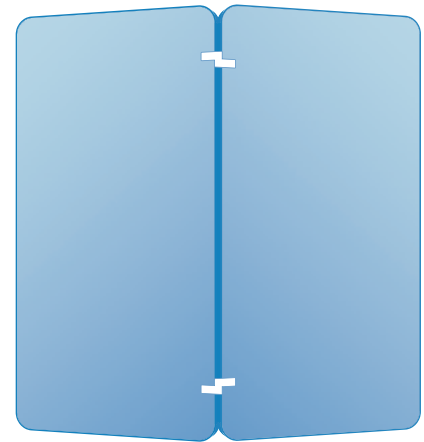
1000 x 1400mm
8mm thick

Radius corners are available in
3 sizes and 9 colours (see page 4)

Sundeala display board systems



Fife College of Art & Design



Complete System B 2x 1800 x 900mm Display Panels 2x 2HC hinges

The Sundeala display system comprises sturdy free-standing pin boards, offering a safe, durable, economical alternative to lightweight display panels.

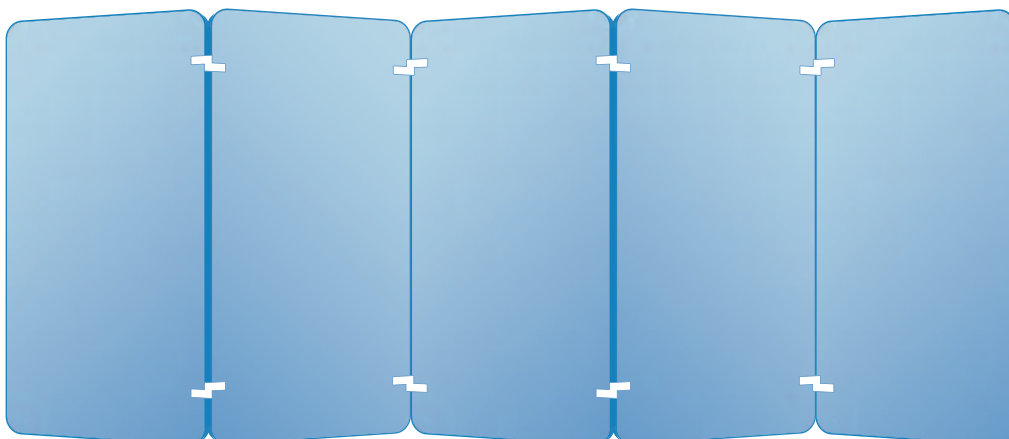
Ideally suited for use in schools, colleges, museums, exhibitions, public buildings and offices, in fact anywhere where a flexible, colourful, pinnable and robust display system is required.

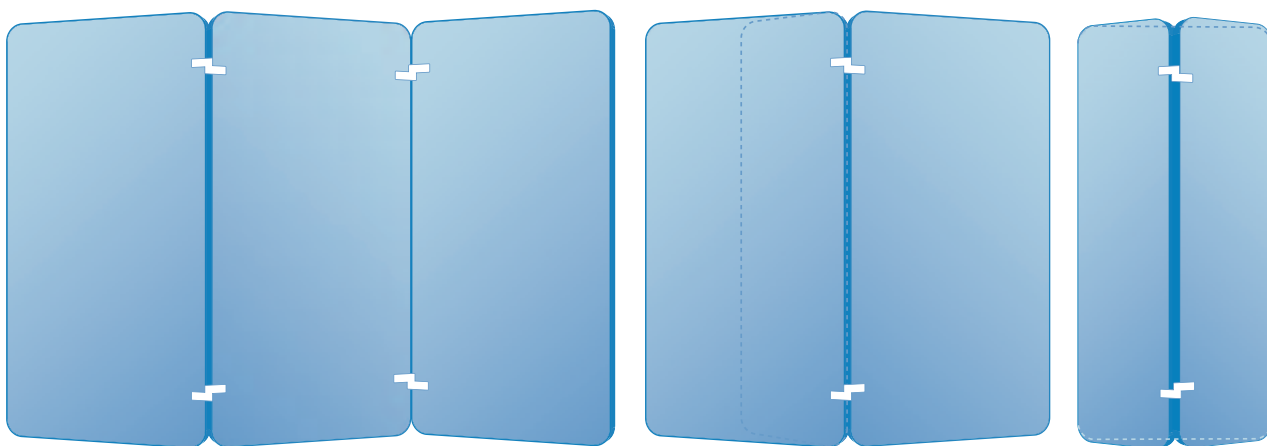
Based on Sundeala 'K' and Colourboard the system offers pinnability to both surfaces and is available in 9 colours, either same colour on both sides or with an alternative colour on the reverse side of the panel.

- Radius boards help prevent corner damage.
- Sturdy, robust and durable for regular use.
- Inexpensive alternative to less secure lightweight systems.
- Large choice of colours to suit internal environment.
- Easily refurbished surfaces will extend panel life.
- Simple clamping method offers a variety of layout patterns.



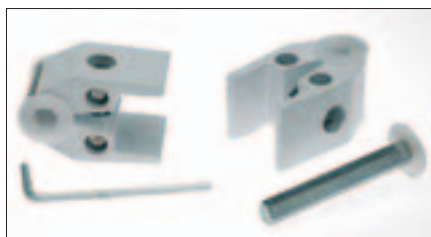
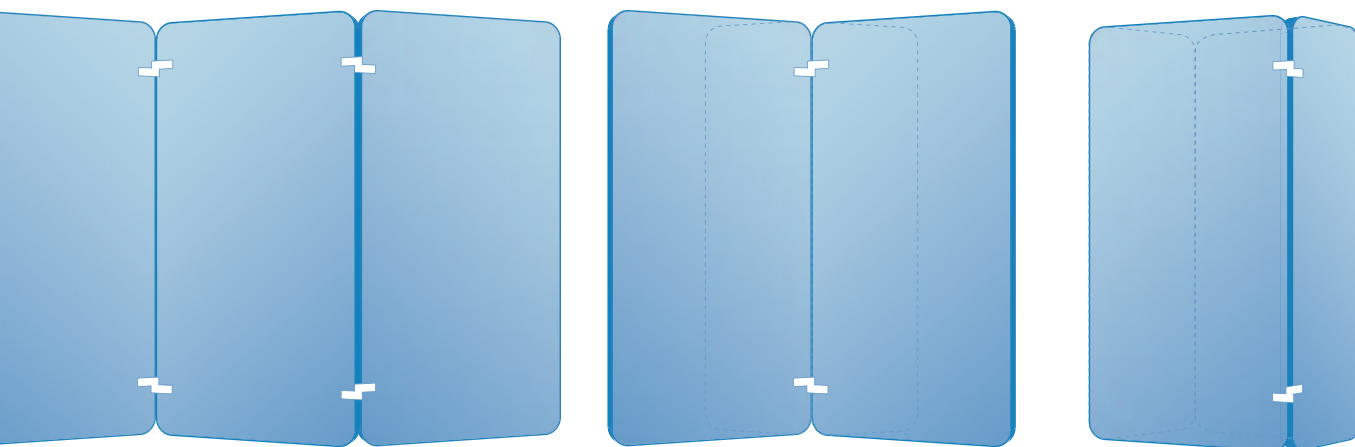
Complete System E 5x 1800 x 900mm Display Panels & with sufficient hinges to make the configurations illustrated



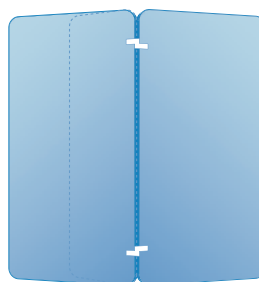


Complete System C 3x 1800 x 900mm Display Panels & with sufficient hinges to make the configurations illustrated

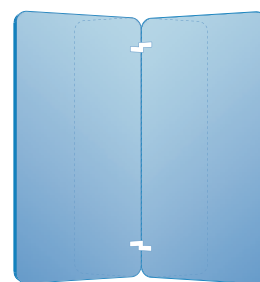
Complete System D 4x 1800 x 900mm Display Panels & with sufficient hinges to make the configurations illustrated



2HC 2 way hinge — Ref. 2HC
2 x 2HC Joins TWO panels



3HC 3 way hinge — Ref. 3HC
2 x 3HC Joins THREE panels
in a star formation



4HC 4 way hinge — Ref. 4HC
2 x 4HC Joins FOUR panels
in a star formation

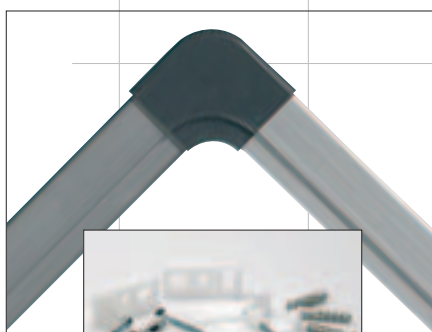
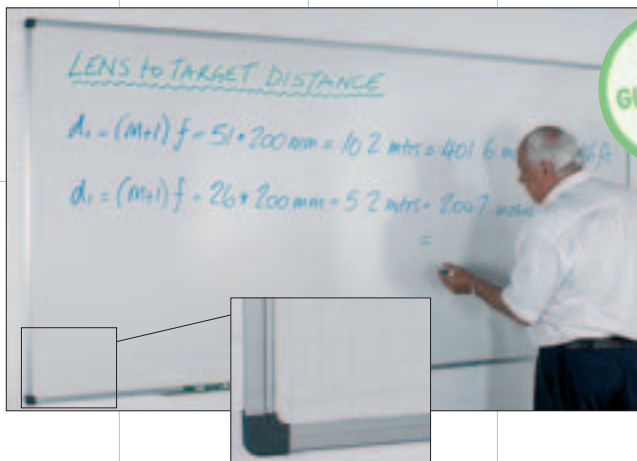
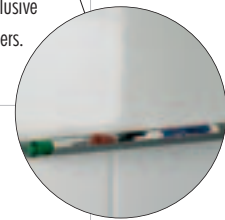
Dry wipe & magnetic dry wipe boards

Freshman range dry wipes

- The affordable Freshman range comprises double sided Melamine Faced Chipboard (MFC) which is supplied plain white to one side with a faint 25mm grid on the reverse for neater writing and presentation.
- This product offers a 5 year guarantee.
- Conforms to: BS EN 312: Board construction/composition
BS 6250 part 3: Resistance to heat
BS 3900 part D5: Surface erasability.



Clip-on pen trays inclusive with all dry wipe orders.



All Sundeala dry wipes are supplied with wall fixing kits.

The profile and clipping system allows for simple installation and easy release, so boards can be turned in seconds without demounting the fixings. This neat system has an instant impact on the environment by doubling the life of the boards and halving the waste.

Standard sizes (mm)

900 x 600
1200 x 900
1200 x 1200
1500 x 1200
1800 x 1200
2100 x 1200
2400 x 1200

Bespoke sizes also available on request.

Graduate range dry wipes

- These dry wipes are double sided High Pressure Laminate (HPL) providing a hard wearing surface, ideal for heavy use.
- 8 year guarantee under normal use.
- Conforms to: BS 3962 part 6: Resistance to surface scratching
BS EN 312: Board construction/composition
BS 6250 part 3: Resistance to heat
BS 3900 part D5: Surface erasability
BS EN 622 part 3: Core composition
BS EN 438-2 1991: HPL determination of properties.

Double the life – halve the waste!

Sundeala's new double sided aluminium frame enables both Freshman and Graduate boards to be easily flipped over when old and tired, exposing a fresh new face.

Magnetic dry wipe boards

Coated steel magnetic dry wipes

- Provides a hard wearing single surface guaranteed for 5 years under normal use.
- Conforms to: BS 3962 part 6: Resistance to surface scratching
BS 3900 part D5: Surface erasability
BS EN 10142: Steel coatings.



Vitreous enamel steel P3 magnetic dry wipes

- This is the ultimate in whiteboard production, highly scratch resistant, smoother writing single surface and guaranteed for 25 years.
- Music ruled available.

Both conform to:
BS 3962 part 6: Resistance to surface scratching
BS EN 312: Board construction/composition
BS EN 438-2 1991: Determination of properties
ISO 1183: Density test.



Maintenance

Sundeala recommend that to reduce ghosting and maintain the serviceability of all dry wipe boards.

- Only quality pens should be used.
- Writing should be removed as soon as possible.
- Proprietary chemical cleaners should only be used.
- Avoid the use of abrasive erasers.

Standard sizes (mm)

900 x 600
1200 x 900
1200 x 1200
1500 x 1200
1800 x 1200
2100 x 1200
2400 x 1200

Bespoke sizes also available on request.

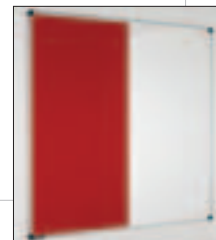


Duo boards & chalk boards

Duo boards

- Ideal for where space is limited, standard boards are 50%/50% HPL dry wipe/'K' Colourboard.
- Standard felt covered boards are also available.
- Variable proportional size of drywipe/board available on request.

LOG ON
TO CHECK
SIZES



Texture of felt on Duo Boards.



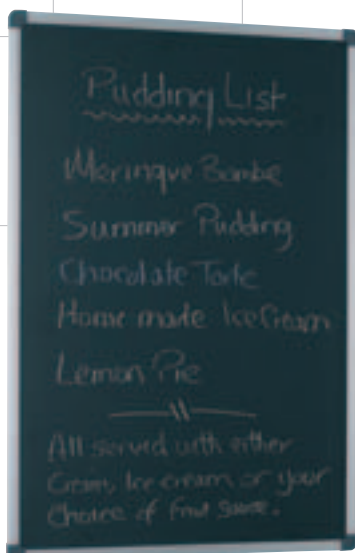
LOG ON
FOR MORE
DETAILS

Header boards

For use with dry wipe at the top, for an infinite change of headings, or with the dry wipe at the bottom to provide a smooth, clean base for 'Post-it™' notes.



Chalk boards



- Traditional chalk boards offered in either black or green laminate surface.
- Available in either wood or aluminium frame.



Standard sizes (mm)

1200 x 600
1200 x 900
1200 x 1200
1500 x 1200
1800 x 1200
2100 x 1200
2400 x 1200

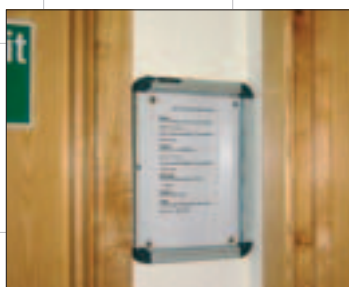
Bespoke sizes also available on request.

Securi-boards

Securi-boards

Aluminium Securi-boards

- Tamper proof noticeboards available in aluminium frame with standard felt backing.
- Single barrel locks are standard.
- Barrel lock variations available.



Special size securi-boards available for conference, training and education agendas.

Standard sizes (mm)

900(w) x 600(h) (1 door)
1200(w) x 900(h) (1 door)
1200 x 1200 (2 doors)
1500(w) x 1200(h) (2 doors)
1800(w) x 1200(h) (2 doors)
Bespoke sizes also available on request.



Wood Securi-boards

- Tamper proof noticeboards available in wood frame with standard felt backing.
- The wood frame comes complete with lock and key.



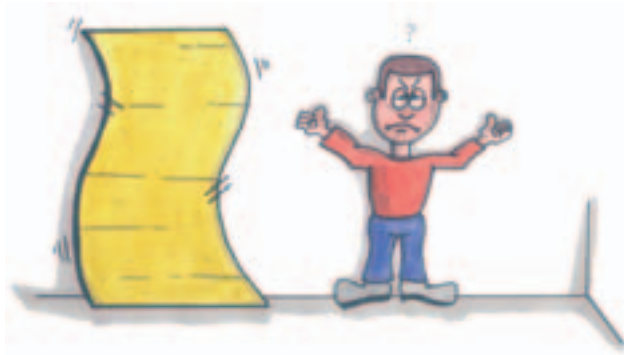
Standard sizes (mm)

900 x 600 (1 door)
1200 x 900 (2 doors)
1500 x 1200 (2 doors)

Conditioning & fixing guide

Why do you need to condition Sundeala boards?

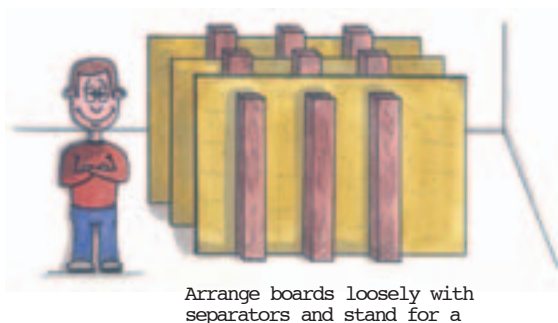
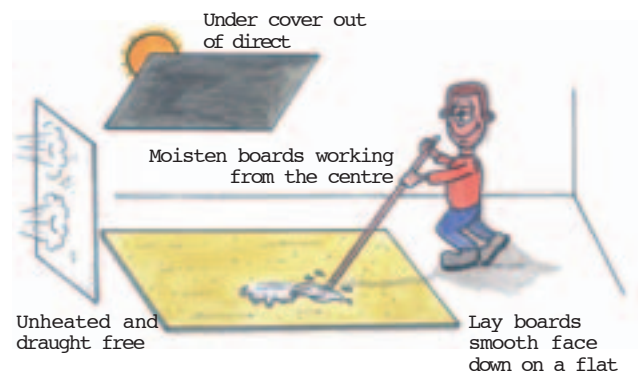
Sundeala Medium Boards are manufactured from recycled newsprint (cellulose fibre). A feature of this natural material is its ability to adjust its moisture content to match that of the environment. Therefore, if the moisture content of the board is lower than the surrounding air, it will absorb moisture and slightly increase in size.



By ensuring that the board has a moisture content similar to its surroundings before fixing, this tendency is avoided. Once installed the product is generally in a stable environment and any such changes should be minimal. The following guidelines will help you condition your Sundeala boards to achieve equilibrium of moisture content before fixing. (Please do not fix Sundeala boards if you consider them to be faulty or damaged in any way.)

Conditioning with water

With a brush or a clean mop, rub clean water into the back of the boards at a rate of about one litre per 1220 x 2440mm. Moisture penetration can be greatly assisted by adding a few drops of washing up liquid to the water. Then lay wet side to wet side in a neat fully supported stack and allow to stand for 48-72 hours.

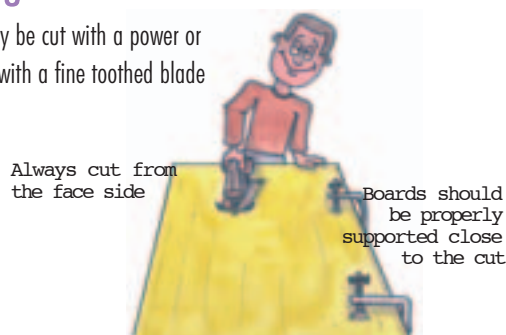


Conditioning with air

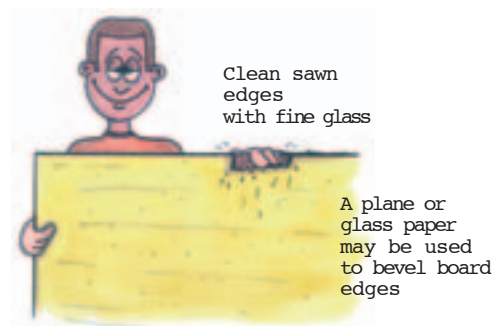
Alternatively Sundeala boards may be conditioned dry. Stand boards vertically on their long edges in the room in which they are to be installed to allow them to reach a moisture content which is in balance with their surroundings. Any packaging should be removed to allow for correct conditioning.

Cutting

Boards may be cut with a power or hand saw with a fine toothed blade

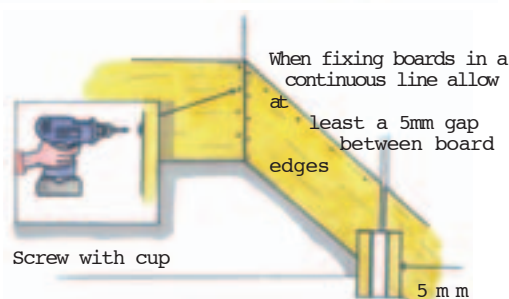
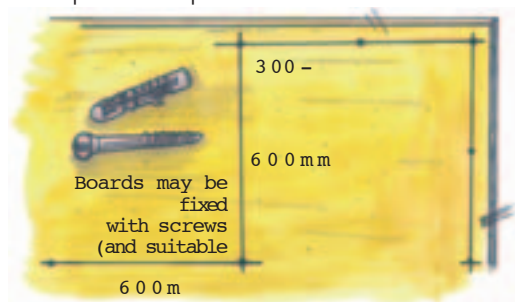


Sanding



Fixing

Sundeala boards should be fixed to a smooth, level surface. Screws should be positioned at maximum 600mm centres through the field of the board and at 300-450mm centres around perimeters. Cup washers with screws are recommended.



Fixing with adhesives

Although mechanical fixings are preferred, boards may be fixed to sound backgrounds with adhesives. There are a wide range available, however, in all cases the recommendations and guidance of the adhesive manufacturers should be followed.



To timber grounds or framework

Screw fix as previously recommended or pin fix as follows:

Timber battens (min 38mm x 25mm) should be

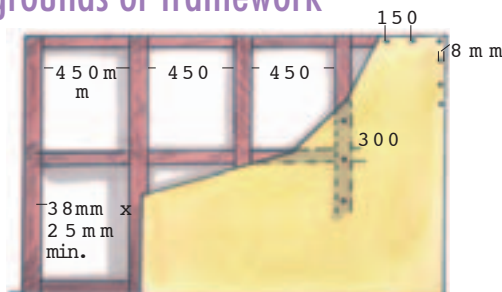
fixed to the substrate at maximum vertical centres of 450mm.

Cross noggings should be installed horizontally at maximum 1200mm centres. The board must be fully supported on all edges.

Fix board to the supporting structure with rust resistant/non corroding last head panel pins of sufficient length to penetrate the timber by 19mm.

Panel pins should be installed at 300mm centres in the field of the board and at 150mm centres at perimeters.

*All perimeter fixings should be 8mm in from board edge.



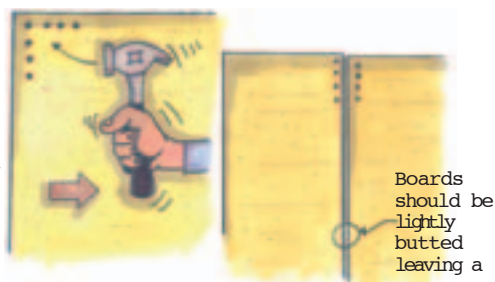
Fixing sequence

Start fixing from one edge of sheet and work across.

Do not fix corners first and then

centres and this will build in a tendency towards bulging.

With the second sheet start at edge adjacent to first sheet. Nails at edges of adjacent sheets should be "paired" not staggered.



Maintenance

Fine glass paper can be used to remove finger marks from the surface and for general cleaning.



Storage

Boards should be stored in the dry on a flat and level base clear of the ground.

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