

Rendaboard®

Base Board for direct
render applications



Base Board for direct render applications

Rendaboard® has been specifically designed for direct render applications. Euroform works extensively with leading coating manufacturers to test and approve the compatibility of Rendaboard® with a variety of polymeric coating systems.

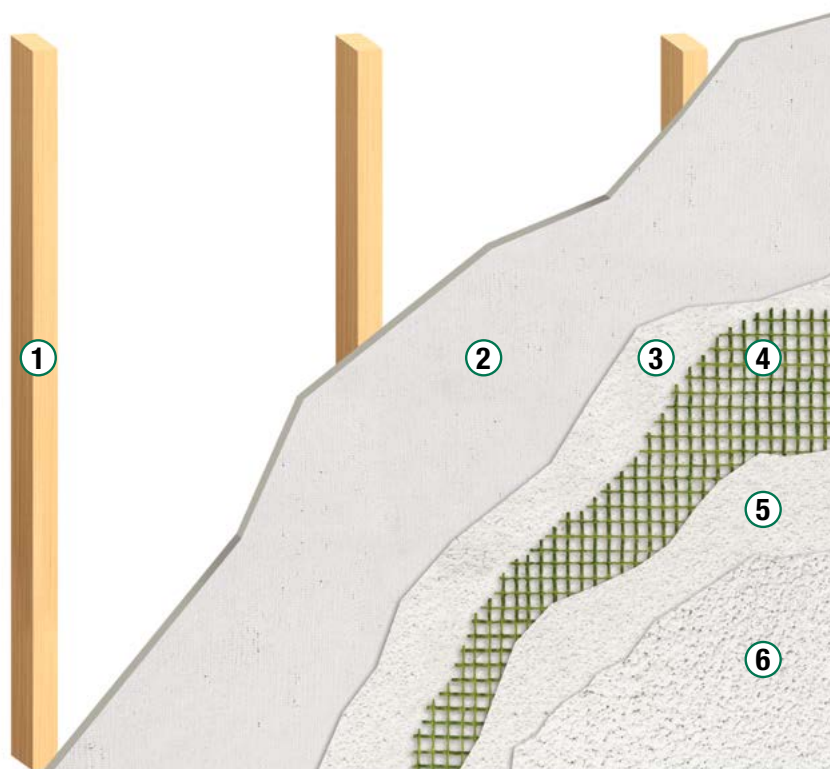
Features and benefits of Rendaboard®

- Non-toxic under fire
- Rot resistant
- Impact resistant
- Excellent dimensional stability
- Good acoustic performance
- Suitable for lightweight steel/timber frame systems
- Easy 'Score and Snap' workability
- Non-combustible

KEY

- ① Suitably treated Timber Stud
- ② Rendaboard®
- ③ Render Base Coat
- ④ Reinforcing Mesh
- ⑤ External Base Coat
- ⑥ Final Render

Drawing for general guide only.
Check with coating manufacturer and designer for full construction /application details. A ventilated air cavity of minimum 25mm is generally recommended.



Rendaboard®

Rendaboard® is a modern practical construction material of outstanding performance. It is non-toxic, contains no hazardous volatiles and is asbestos and formaldehyde free.

Designed specifically for direct render applications, Rendaboard® is off-white in colour and has a textured face to one side for thin polymeric render applications (unless otherwise advised).

Technical Data

Suitable for applications that may require a non-combustible backer board.

Rendaboard® characteristics		
Thickness of board	9mm	12mm
Size	2400 x 1200mm	
Testing		
Fire Rating	A1 Non-Combustible to EN 13501-1	
Fixing		
600mm centres	9mm	12mm

Wind Loading

Report available on request to show compliance with CWCT standards for rainscreen cladding systems.

* The full system specification of the render/cladding/rain screen should be approved by an appropriately qualified consultant to confirm the suitability of the components in the system in relation to the required fire performance.





Rendaboard® is compatible with these base coats:



K-Rend K1 and TC15
 ultra high performance render
www.k-rend.co.uk



Parextherm & Parexdirect
www.parex.co.uk



Rollercoat
 long life exterior weatherproof coating
www.renotex.co.uk



Genesis Base Coat
 a fibre-reinforced, acrylic-based product
 (12mm board)
www.dryvit.co.uk



K&A Basecoat
 a bonding and reinforcing filler with
 water repellent
www.wbs-ltd.co.uk

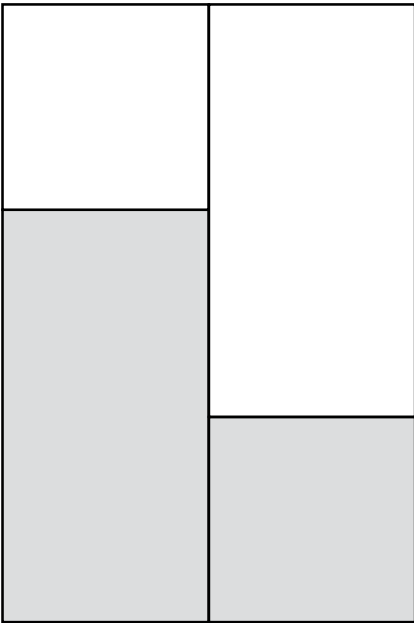


JUB Render
 a range of lightweight finishing renders,
 suitable for Rendaboard®
www.jubrenders.co.uk

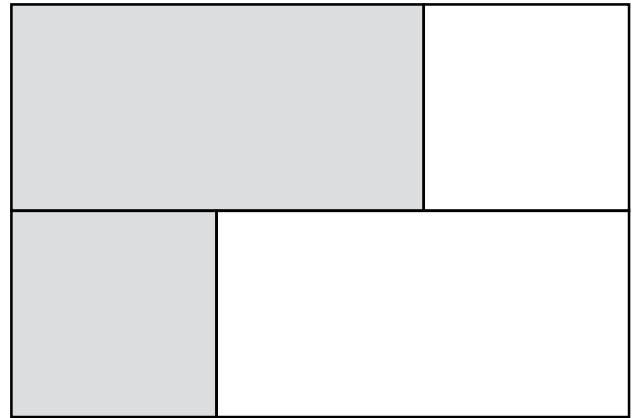
Always check with the coatings manufacturer to ensure that the correct specification of render is applied to be used with the base board. You can also ask our technical team who will be happy to give you guidance.

Board Arrangement

Vertical Board Arrangement



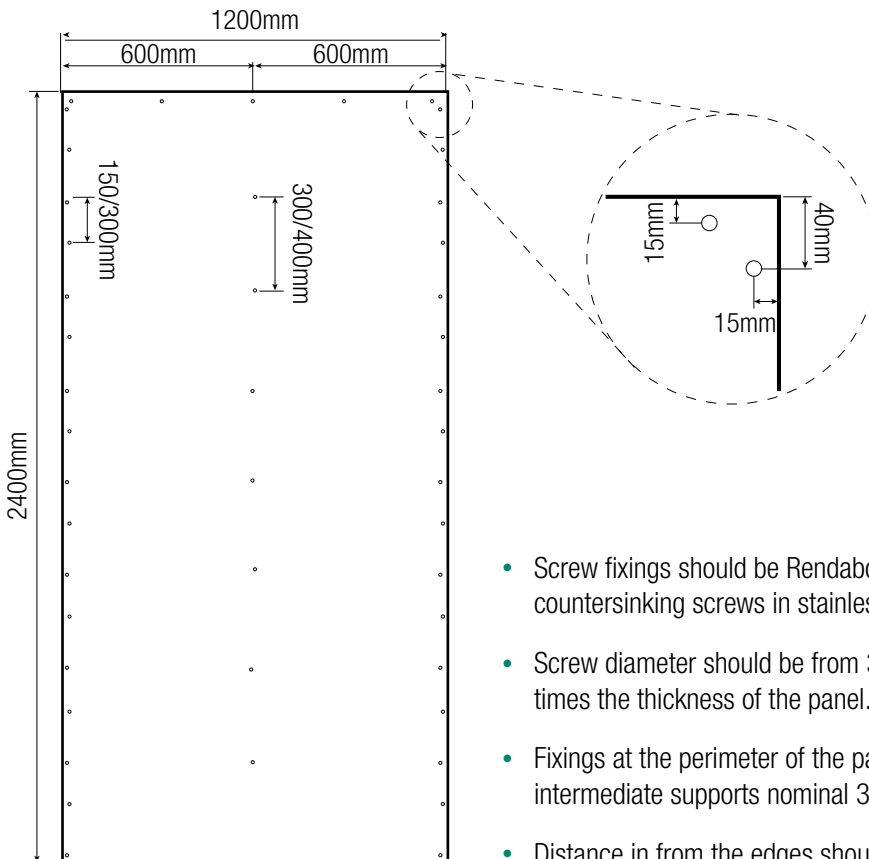
Horizontal Board Arrangement



When fixing board to support frame, use Brick Bond arrangement as shown.

- NOTE:**
- 4 way joints should be avoided
 - Board width should not be less than 600mm
 - A ventilated air cavity of minimum 25mm is recommended

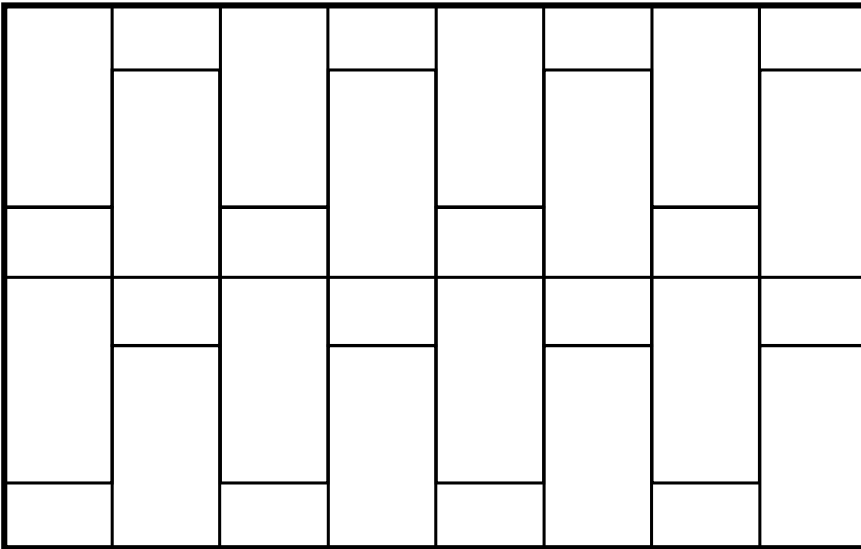
Fixing Distances



- Screw fixings should be Rendaboard® fixings or self-drilling and self countersinking screws in stainless steel.
- Screw diameter should be from 3.5mm to 4.2mm length should be 2.5 to 3 times the thickness of the panel.
- Fixings at the perimeter of the panel should be a nominal 200mm and on intermediate supports nominal 300mm centres.
- Distance in from the edges should be a maximum of 15mm.

Expansion Gaps

Layout



Within a single frame assembly up to 12000 x 4500 max, gaps between boards should be 4mm.

Where 2 frame assemblies meet, expansion gaps to be 10mm.

Conditions for fixing frames over this size must be considered on a project by project basis and Euroform must be consulted.



Cutting

Rendaboard® can be scored and snapped

Sawing

Equipment

- Cross cut hand saws for thicknesses up to 12mm
- Jigsaw for thicknesses up to 12mm and small work
- Portable circular saw
- Fixed saw for dimensioning (vertical or horizontal)

Type of blade

- Alternative or trapezoidal teeth
- Chart shows number of revolutions and number of teeth (Z)



Diameter mm	250	300	350	400
Panel thickness up to 12mm	Z=48	Z=60	Z=72	Z=72
Panel thickness exceeding 12mm	Z=36	Z=48	Z=54	Z=60
Number of revolutions rpm	3000/4500	3000	3000	3000/1500

Milling

Common machines with carbide-tipped tools. The higher the rpm, the better the milled edge.

Additional Information

- Support structure for Rendaboard® 9mm and 12mm should be at a maximum of 600mm centres, based on board size of 2400 x 1200 there should be a 4mm gap between boards on all edges.
- Board joints should be treated in accordance with the render manufacturers requirement.
- Renders should not be applied where the surface has contamination or dust.
- Boards should be kept dry prior to applying render


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