PRS CPBOARD

PRS CP Construction Board is a rigid, high performance professional grade board designed for for both residential and commercial applications. Moisture and rot-resistant PRS CP Board is both robust and stable providing structural integrity for demanding construction applications.

Key Product Features

- High strength,
- Euro-class A1 Non-combustible
- Environmentally friendly
- Dimensionally stable
- Suitable for flooring, walls, and high-load applications

Available Sizes

Dimensions: • 2400 x 1200mm

Thickness: • 6mm, 9mm & 12mm

Benefits

- Superior performance.
- Easy installation
- Water & Mold resistant
- Score and Snap
- Light Weight & easy to handle,
- High load capacity
- Suitable for timber or masonry floors and wall

PRS CPBOARD

Product Applications

PRS Cement Particle Board is a multi purpose construction board for the professional construction specialist and is suitable for multiple aspects of the building envelope.

Fire Protection
- Internal party walls
- Spandrel panels
- Boiler backer/Elis boards
- Sheathing boards
- Cladding substraights

Render Carrier
- External render carrier
- Dormer cheeks
- Modular buildings
- Bay windows
- Park homes

Sound Reduction
- Student accomadation
- Party walls
- Schools
- apartment buildings
- Comercial property

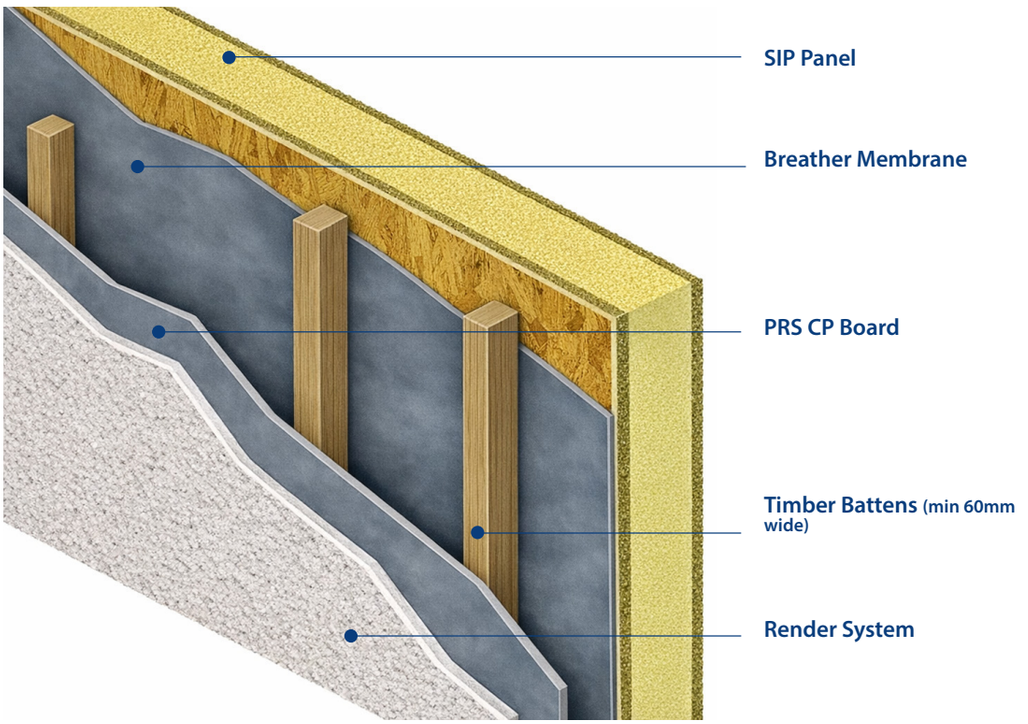
Moisture Resistance
- Bath/Wet rooms
- Basements
- Tilebacker
- Weather boarding
- Render boarding

SIP Panel Installation

For SIP Panel Installation: figure 1. vertically installed battens are fixed at either 400 mm or 600mm centers to suit requirements to a breathable membrane stapled to the external surface of the SIP panel.

PRS CP Board should be fixed in a staggered joint configuration to the vertical battens using fixing centers of 300mm. *figure 4*.

figure 1



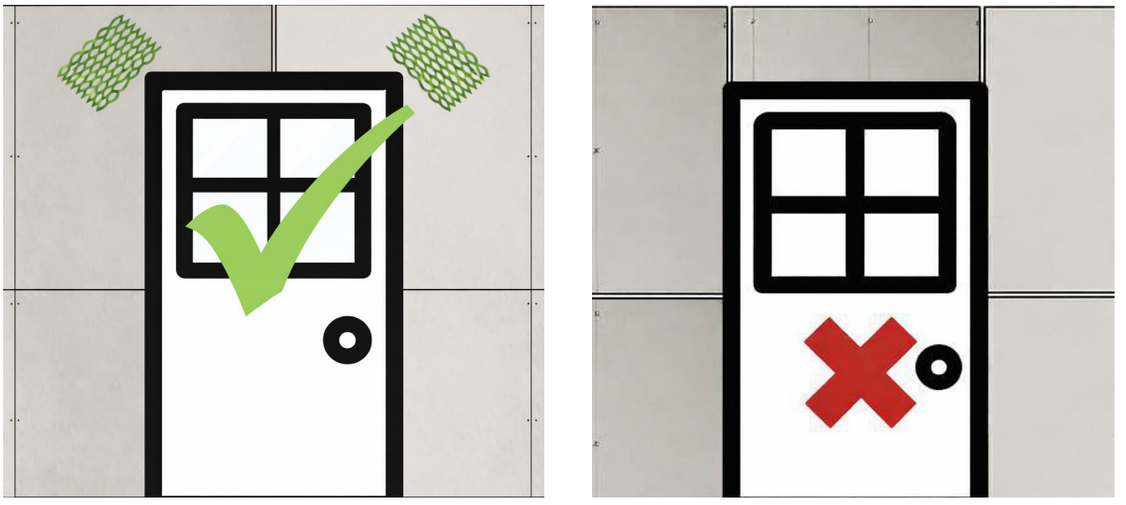
Fixing Detail around Windows & Doors.

To avoid cracking due to timber frame movement and settlement, Joint should NOT be aligned with vertical or horizontal sides of door or window frames. PRS CP Board joints should be located at the center of the door or window aperture and fixed to a minimum 25mm thick x 60rnm wide batten. *figure 2*.

It is recommended to apply either a single or double layer of render mesh at stress points such as corners of the aperture. *figure 2*.

All apertures should be completely battened to 25mm x 60mm battens to ensure appropriate edge fixing of PRS CP Boards and ensure complete support for render applications.

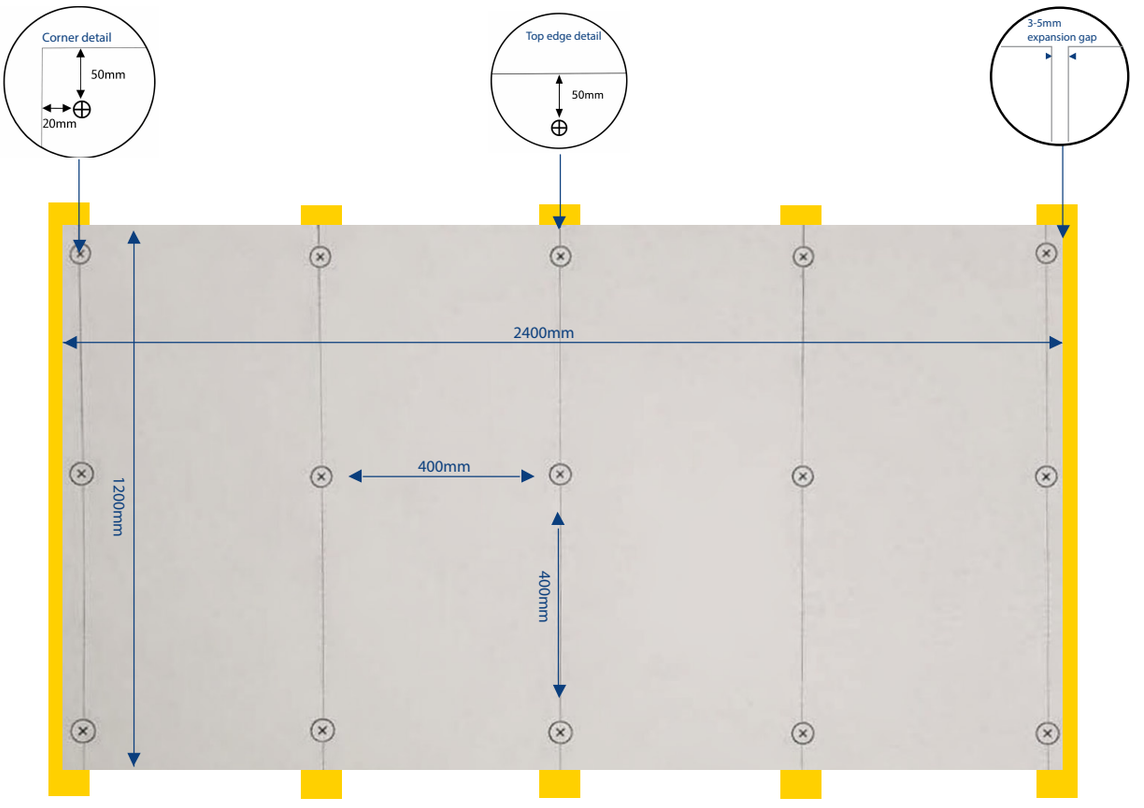
figure 2.



External Fixing Detail 400mm centers

vertical battens should be fixed at 400mm centers. *figure 3.* with battens of a minimum of 60mm wide and a thickness to maintain cavity requirements to meet building regulations in your area, minimum 25mm thick, boards can be fitted vertically or horizontally .

figure 3

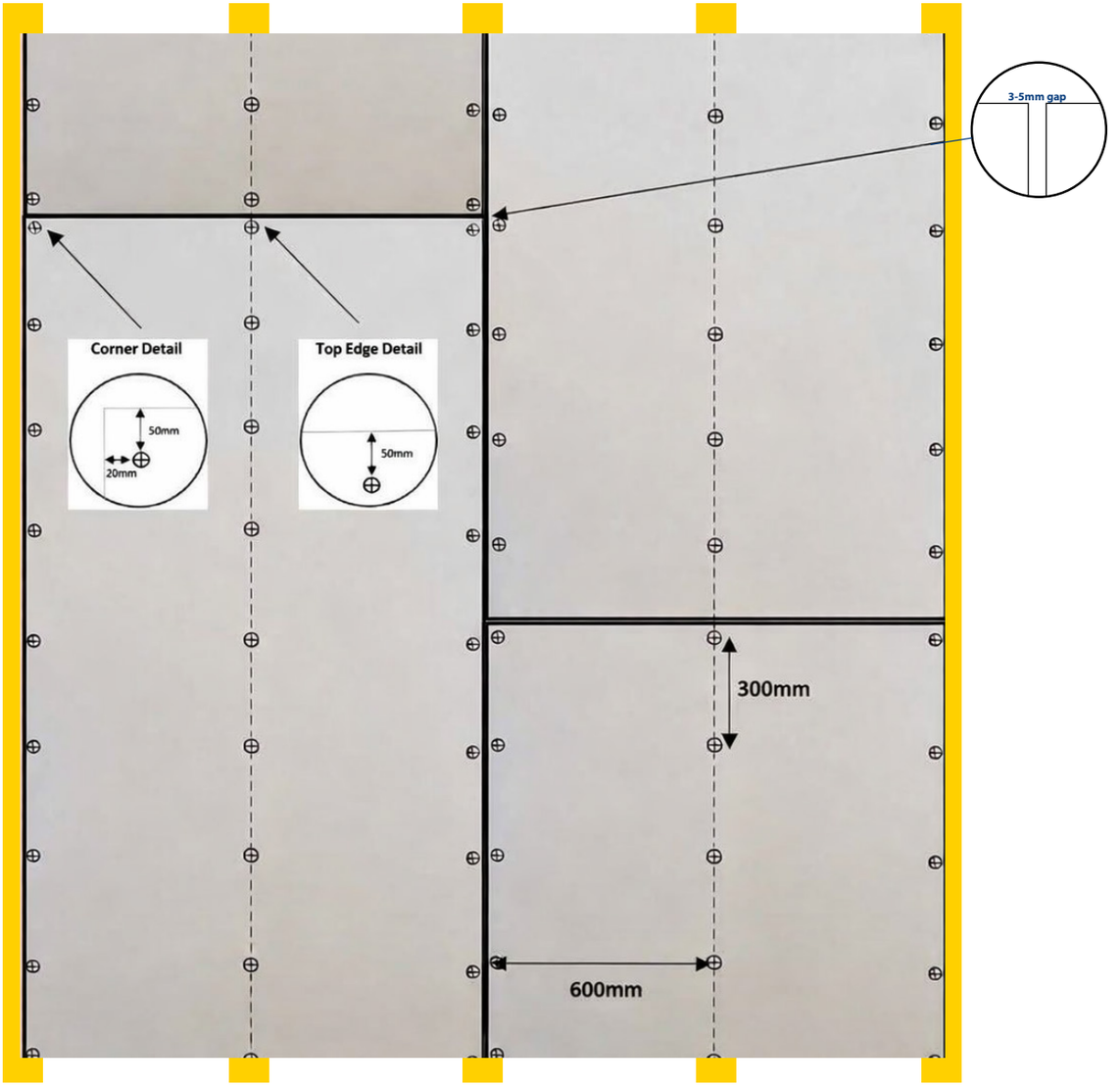


Vertical Timber Battens Minimum 25mm x 60mm at 400mm centers

External Fixing Detail on existing 600mm Center studs

vertical battens should be fixed directly to timber frame at 600mm centers ensuring battens are fixed directly to existing studwork. *figure 4* . With battens of a minimum width of 60mm and a thickness to ensure cavity width requirements to meet building regulations in your area, minimum 25mm thick, boards can be fitted vertically or horizontally .
It is important to ensure that if over boarding an existing application that all battens are secured firmly to the building.

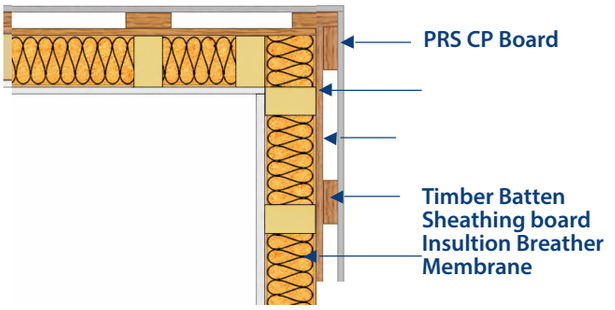
figure 4.



Corner Fixing Detail.

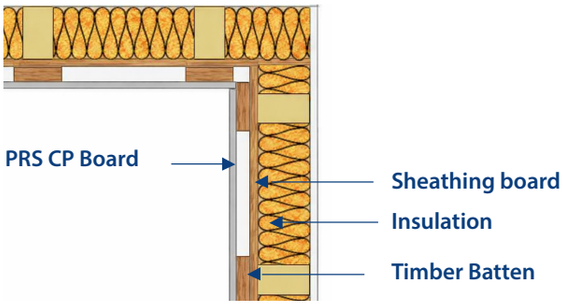
External Corner

figure 5



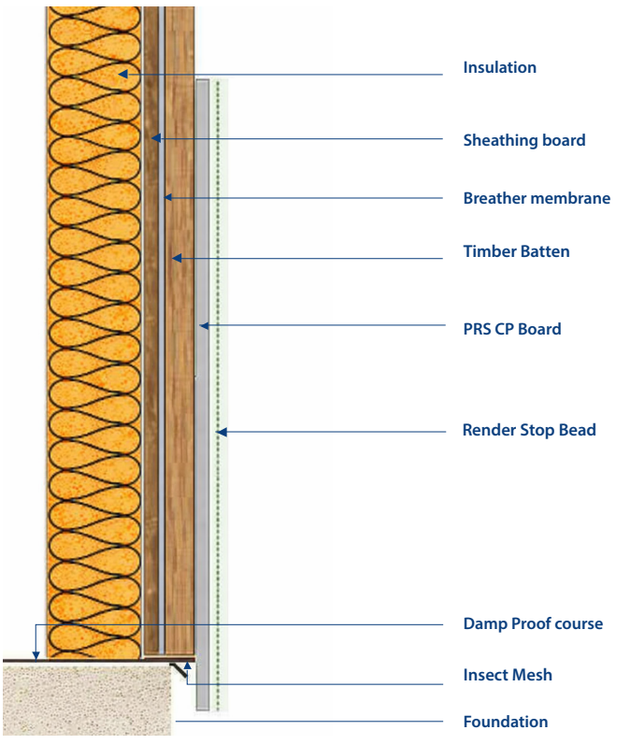
Internal Corner

figure 6



External wall to foundation detail

figure 7



Eaves Detail

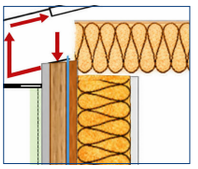
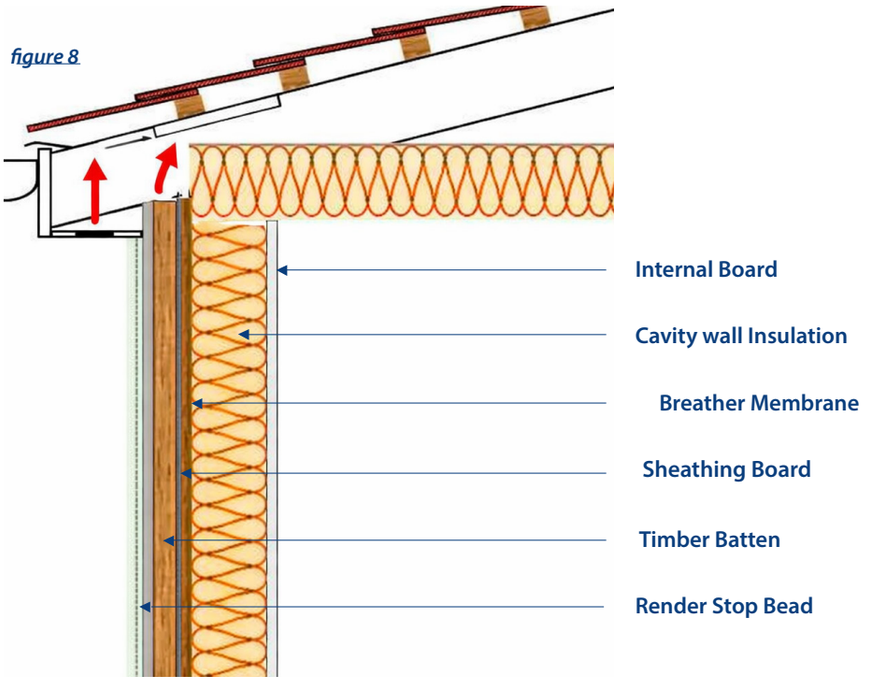


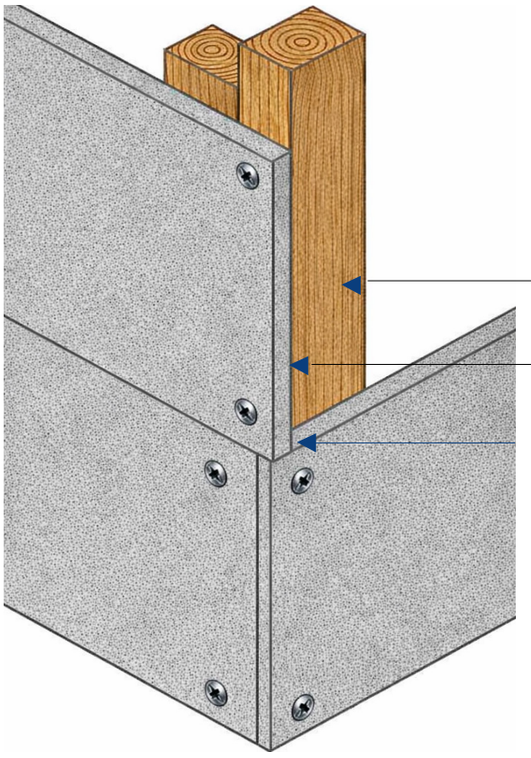
figure 8



Typical Fixing Details. External Application

Staggered Corner Joint Detail

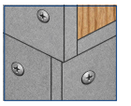
figure 9



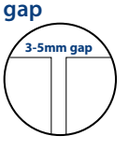
Timber Batten

PRS CP Board Always Stagger

Corner Joints

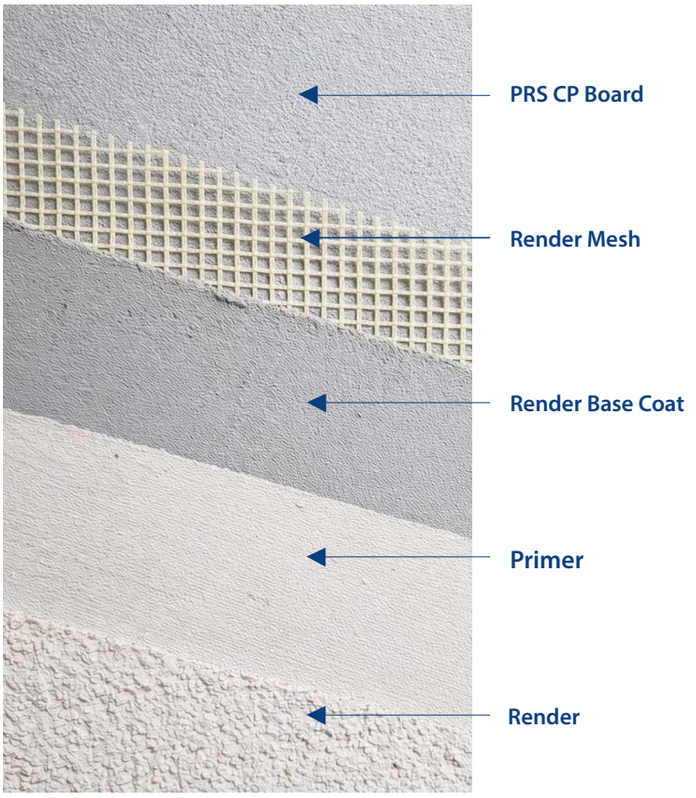


Always maintain a 3-5mm gap



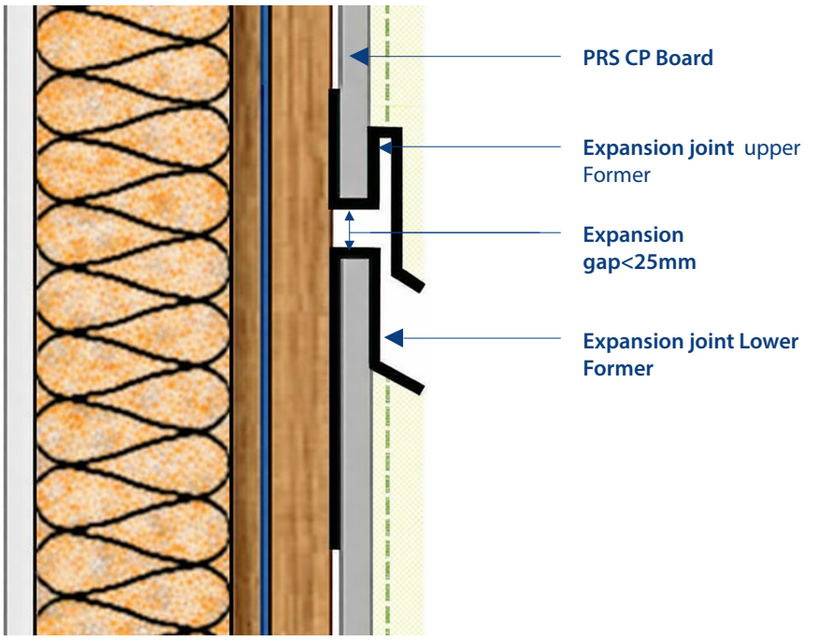
External Render Detail

figure 10



Expansion Joint Detail

figure 11



**Horizontal and vertical expansion joints are required at a maximum of 15m spans or to mirror expansion joints in the substrate. The detailing of expansion joints should be confirmed and agreed with the render manufacture, architect or building control officer before installation.*

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Thickness	Dimensions	Weight
6mm	2400 x 1200	25.2kg
9mm	2400 x 1200	35.7kg
12mm	2400 x 1200	50.4kg

Specification	Standard	Result
Pull Through Testing	12mm	1450-1580 Newtons
Racking Strength	(BS EN 5268-61 & BS EN 594:2011)	Category 1
Thermal Conductivity	(BS EN 12667:2001)	0.3 W/cm.K (30W/(m.K)
R Value		0.0493 M2K/w
Density		1.4-1.5g/cm3
Water Vapor Permeability	EN 12467	Category A
Reaction to Fire	EN 13501-1+A1	Euroclass A1+
Weather Resistance	EN 12467	Category A
Life Expectancy		30 Years

***Drawings are not to scale and are for ilistrative purposes only**

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