

The manufacturing of bonded panels is an agreed and approved process developed in conjunction with our raw materials and adhesive suppliers. The panels are pressed using UK leading vacuum presses and equipment operated by an experienced and quality technical team.



All panels are produced from AutoCAD drawings which are designed to meet individual customer requirements. Quality control and a constant production process all help give a high quality and flexible finished product.



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INSULATED BONDED PANELS



Finrone Systems Insulated Bonded Panels

Bonded Panels Systems have designed and developed their Bonded Panels for use specifically in the pig and poultry sector where they are mainly used as housing wall panels. They are suitable for a wide variety of purposes within the wider agricultural sector.



ADVANTAGES AND KEY FEATURES OF BONDED PANELS

Excellent insulation

The bonded panels are manufactured from a high quality GRP and have a wooden frame and uniquely designed high quality PVC base board. The panels have excellent insulation properties ensuring optimum temperature conditions for animals in all weathers. The insulation value of the bonded panel is around twice that of conventional panels available to farmers due to the unique design and high quality RHM insulating materials used, thereby increasing the thermal value of the panel.

Protective PVC and Wooden Frame

The bonded panels have a protective plastic coating on their ground facing surface which prevents damp from penetrating them and affecting the wooden frame enclosure. This panel is enclosed on all sides by the wooden frame which is important as it is very effective in defending against attack from vermin and making structures less susceptible to harbouring pig disease and insect intrusion. The Brazilian Soya Beetle is a particular threat as it eats the insulation of panels, weakening the structure and degrading the thermal value. Bonded panels protect against this and other harmful insects.

Hygienic solution

Another key advantage of the panels is that they are extremely hygienic. The panels are produced in a single large section which significantly reduces the number of joins making them easy to clean and provides further protection against the risk of harbouring and spreading unwanted bacteria and disease.

The standard bonded panels are 2.4 metres wide by 6.0 metres high but customised panels up to 8.0 metres wide and 8.5 metres high are also available. The maximum size depends on the particular function and position of the panel but our team will be happy to discuss individual requirements and provide advice on the best solution for you.

Robust and versatile

The panels have been specifically designed to ensure they are robust and can withstand the demands of housing livestock. There is an option for an additional stainless steel layer up to 1.2m to further strengthen the panels and prevent any damage. This is recommended for housing larger animals.

Low maintenance

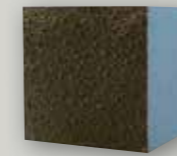
The outside of the panels have a green embossed finished. There is little to no maintenance required therefore on the outside of the panel and the white fibreglass finish to the inside provides a bright and clean environment. Panels can be finished in different colours and textures if required.

Customised to your requirements

The Bonded panels can be supplied to accommodate windows, doors, air inlets and other internal fittings. We manufacture all these fittings to a high standard and are also finished with a wooden surround. Our design team will work with you to create detailed and customised plans to meet your particular requirements.

Panel Options

EMBOSSSED GREEN EXGRPAN80



Glossy & Elegant Finish that blends well into the Countryside. An easy panel to maintain & wash that will keep a smart appearance for many years. Bespoke design & manufactured for windows, air inlets & doors. Can be made up to 9m x 2.8m with 80mm panel thickness.

EMBOSSSED GREY EXGRPAN80:



Glossy & elegant finish that will blend well into farmyard specially where you have an existing Concrete Block wall unit farm buildings. An easy panel to maintain & wash that will keep a smart appearance for many years. Bespoke design & manufactured for windows, air inlets & doors. Can be made up to 9m x 2.8m with 80mm panel thickness.

PEBBLED GREEN EXResGr83:



Pebbled Reseda Green exterior that blend well into the countryside. An easy panel to maintain & wash that will keep a smart appearance for many years. Bespoke design & manufactured for windows, air inlets & doors. Can be made up to 7.2m x 2.8m with 83mm panel thickness. An excellent panel for self supporting roof trusses.

INTERIOR WHITE INTWH/WH80:

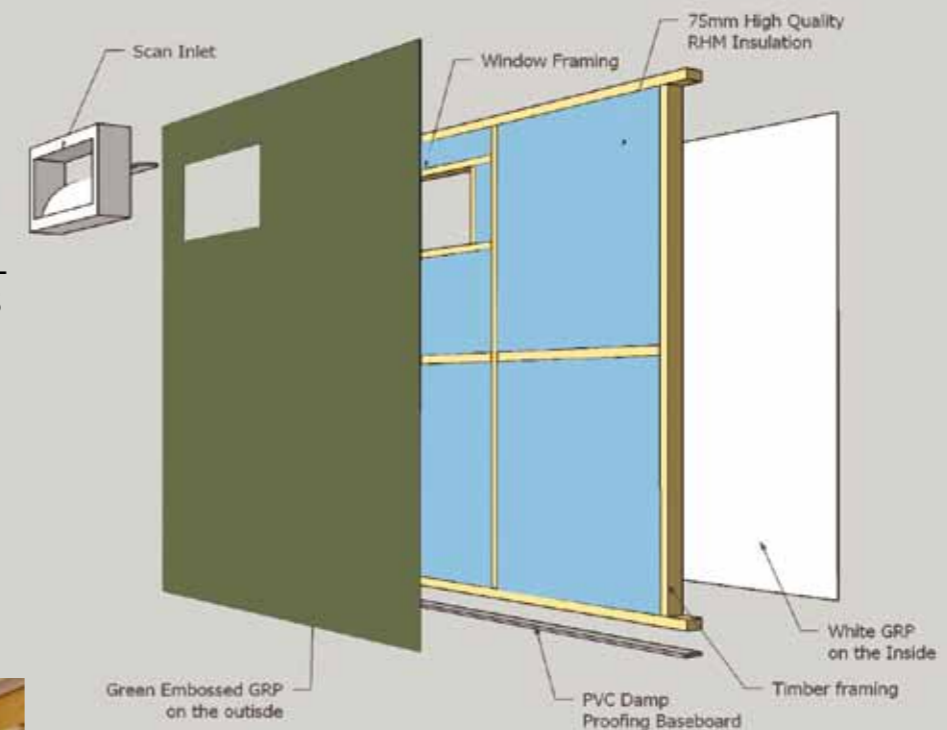


An excellent solution for interior room wall. Easy to install and can support self-supporting ceilings. Clear white finish gives a hygienic washable surface. Can provide a totally insulated room. Can be made up to 9m x 2.8m with 80mm panel thickness.

COMMON PANEL CHARACTERISTICS (WALL PANELS)

Manufactured with leading technology and materials designed for our customer request. Excellent u-value = 0.030 W/m-k where by using 75mm Styrofoam insulated core. Timber frame structure with bespoke design for windows, air inlets & door with a PVC damp proofing bottom. White GRP interior which is resistant to scratching & suitable for high pressure washing. The Panels can be structurally designed for self supporting timber truss roofs.

TYPICAL WALL PANEL CROSS SECTION



ECO WHITE CEILING PANEL

PVC laminated wall with rigid polyisocyanurate foam. Gives a very washable and highly insulated ceiling. Lightweight & easy to Install using a PVC H-section system. Available in 30, 60 & 80mm thicknesses. White Ceiling gives neat and very smart look. Standard 1.2m wide and can be made to order upto 12m long



White PVC Surface



PANELTIM WALL PANEL SYSTEM

Excellent cost effective system for interior wall. Easy to fit with connecting PVC H-Section. Smooth surface, resistant to scratching, wear & heavy blow making it easily washed. Can be manufactured up to 8m long and 1.2m wide panels x 51mm thick. Available in four colours: White, Light Grey, Blue & Green with the option to have a 2 colour wall panel that will match your penning panels.