

## Drywall Pro-Cut Ltd

Office Drywall Supplies: Drywall Components Now Made Off Site by the Expert Drywall Distributor.

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## PRODUCT PROFILE

Pro-Cut Pattresses provide additional mounting or fixing capability when installed within partitioning or suspended ceiling systems. Pattresses are regularly used within partitions to support services or wall-mounted objects and within ceilings to support fixtures and fittings such as lights, speakers or air grilles. Pattresses are available in a range of materials including Sheathing/WBP Plywood and OSB cut to bespoke specified dimensions. Size is determined by the customer with the additional capacity for service penetrations to be installed within the pattrass in the form of circular, square or rectangular holes in any quantity, size or location required. All timber for pattrasses used by Drywall Pro-Cut is FSC certified indicating responsible forestry and sustainable sourcing.

## MATERIAL SPECIFICATION, DIMENSIONS AND SIZES

### Material Properties and Available Dimensions for Metal Track Components

\*Density and strength of timber materials will naturally vary depending on wood grain orientation and moisture content amongst other factors.

\*Material properties provided to BS EN 12369-1:2001 and BS EN 300:2006 wherever feasibly possible and externally verifiable.

\*For fire and performance rating of partitions where pattrasses will be used see full manufacturer specifications for selected partitioning systems.

\*OSB3 Sterling Board classified for reaction to fire according to BS EN 13501-1.

\*Pattresses are available in bespoke sizes in a range less than or equal to the maximum lengths and widths detailed in the below table.

Material Selections	Maximum Length	Maximum Width	Thickness Options	Density	Reaction to Fire	Thermal Conductivity
Sheathing Plywood	2440mm	1220mm	12mm, 18mm	NPD – Moisture Dependent	NPD	NPD – Estimated 0.063-0.072W/mK*
Far East WBP Plywood	2440mm	1220mm	5.5mm, 9mm, 12mm, 18mm	NPD – Moisture Dependent	NPD	NPD – Estimated 0.063-0.072W/mK*
OSB3 Sterling Board	2400mm	1200mm	11mm, 18mm	620-640kg/m <sup>3</sup> (±5%)	Class D (EN13501-1)	0.13W/mK

\*Plywood thermal conductivity estimated based on generalised academic observations from Demirkir, et al (2016).

\*Attached Harvard reference for paper detailing thermal conductivity variance in plywood used in the absence of specific test data for Sheathing and Far East WBP Plywood boards. This paper provides a conservative range of values and whilst accuracy is likely to be valid the enclosed methodology was not used for this specific product (Demirkir, C.E.N.K., Colakoglu, G., Colak, S.E.M.R.A., Aydin, I. and Candan, Z., 2016. Influence of aging procedure on bonding strength and thermal conductivity of plywood panels).

## ADDITIONAL PRODUCT DETAILS

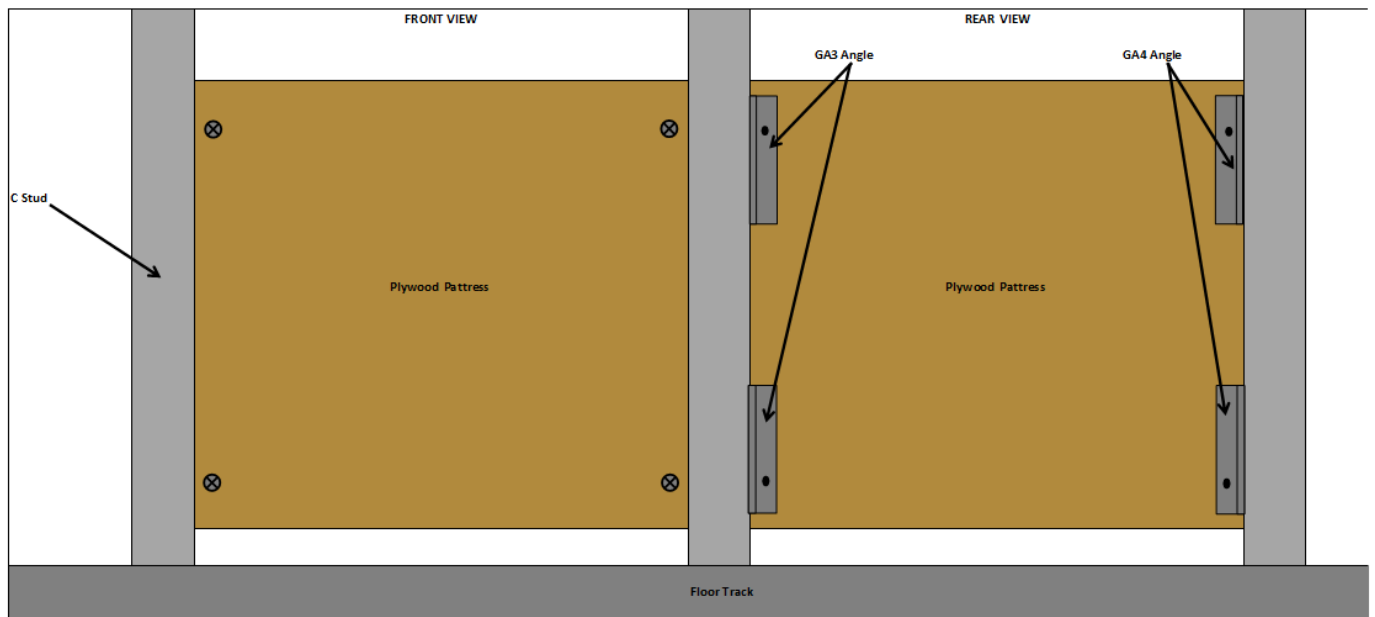
- All timber used for manufacture and production of Pro-Cut pattrasses is Forest Stewardship Council (FSC) certified.
- SterlingOSB meets the E1 requirements as stated in EN13986: 2004 or Class 1 of EN 300.
- Base Plywood or OSB timber is high quality and usually exterior graded, however Drywall Pro-Cut would recommend the installation of Pro-Cut Pattresses within controlled internal environments as part of approved drywall systems.
- SterlingOSB is BBA approved to guarantee performance of SterlingOSB products in modern construction applications.
- Pattresses are machine cut and quality-checked to ensure precision and adherence to specified dimensions.
- Several methods exist for installation of Pro-Cut pattrasses securely within Standard British Gypsum, Siniat and Knauf partitions to maintain system performance and ensure compliance with manufacturer warranties (more details below).

## INSTALLATION, QUALITY AND ADDITIONAL INFORMATION

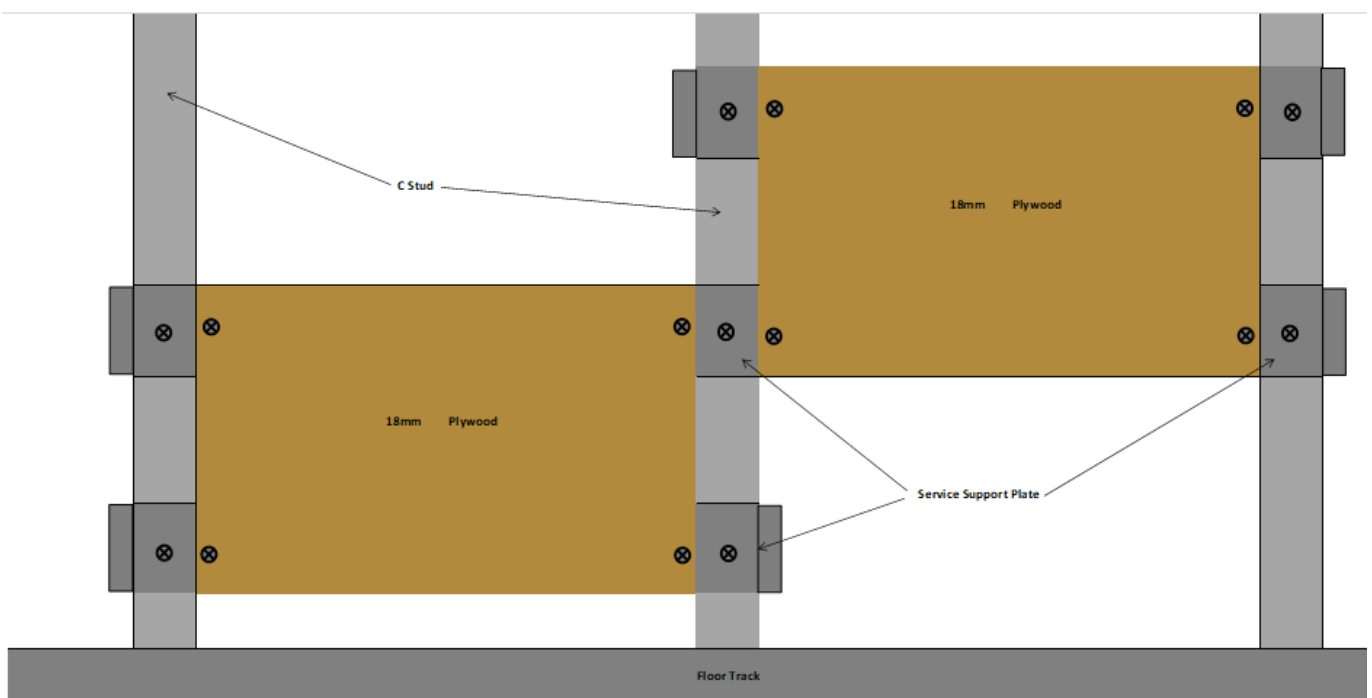
- Pattresses are cut and penetrations are installed off site in a quality-controlled environment and delivered safely to site.
- Standard site installation methods using approved components such as GA3 angles, British Gypsum Service Support Plates or GTEC 18mm Pattrass Brackets can be recommended with possible installation examples shown overleaf.
- The appropriateness of standardised installation methods suggested by drywall manufacturers will vary depending on specific project background and individual fixing requirements and should be assessed on a case-to-case basis.
- Usage of Pro-Cut Pattresses removes the need for site-based cutting operations and provision of cutting stations.

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**Pro-Cut Pattress: Example Detailing of Standard British Gypsum Compliant Site Installation**



**Pro-Cut Pattress: Example Detailing of Heavy Duty British Gypsum Compliant Site Installation**



\*NOTE: Standard detailing supplied to provide examples of potential methods for site installation. Actual construction details should be drafted based on fixture/service mounting requirements and project specific details in accordance with individual drywall manufacturer guidelines to ensure compliance with warranties and construction standards.

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