



Eco



A leisure lining system that doesn't cost the earth



Excel



Eco⁶ is an **extremely robust, hard-wearing and fire-resistant** 6mm gypsum panel. The outstanding technical performance and strong eco credentials have led to Eco⁶ becoming a product of choice for many in the modular building industry and it is now available as a quality solution for caravans and leisure homes.

Eco6 Leisure

The Leisure Home industry demands high standards in quality, safety and sustainability and it is increasingly evident that the typically used Tropical Hardwood Plywood falls far short of these requirements.

Eco⁶ has been developed in the UK by Excel and Siniat as a superior and sustainable replacement for plywood. The innovative panels have a high-density glass fibre reinforced core, tough paper liners, and a range of decorative, washable coverings to choose from.



Fire Rated

- BS 476 pt 7 Class 1
- BS 476 pt 6 Class O
- Euroclass A2

Excel can provide fire assessments based on specific design detail on application

Safe | Sound-resistant | Sustainable



What is Gypsum?

Although gypsum is a naturally occurring mineral, Eco⁶ uses the gypsum generated as a harmless by-product of many industrial processes or from power station waste. This innovative waste product utilisation means that Eco⁶ can claim to be manufactured from 98% recycled materials.



The Benefits of Eco⁶

Excel and Siniat have developed the Eco⁶ product with a unique range of features and advantages:

- Manufactured in the UK
- Stable price - not affected by £ \$ exchange rate
- Consistently available
- Fire rated to British & European Standards
- No harmful substances
- Non-toxic
- BES6001 Responsible Sourcing Category - Very Good
- Low carbon release
- No VOC Emissions
- Recycled Content & Recyclable
- Good sound attenuation
- Can be cut with a knife (score & snap)
- Sustainable
- REACH classified non-hazardous



Eco⁶ exceeds

BS 3632:
2015

Residential Park Home
Specification Requirements

Eco⁶ Trio-plex

Eco⁶ Trio-plex provides triple protection with the addition of an optional metallised polyester film on the reverse offering: total vapour control with impressive reflective thermal insulation, plus the hard wearing decorative surface.

3x
protection





working in partnership with



Usage:

Usually board can be cut to size using a knife (score and snap) avoiding the use of power tools and associated dust.

Eco⁶ can be fixed with staples or bonded to studwork.

As Eco⁶ is very strong and lightweight, one person can handle it comfortably.

Sheet sizes

Currently available ex stock in 2135 x 1220, 2440 x 1220 and 3050 x 1220, packed in 100 sheets per pallet (other sizes are available on request).

Compliance Authority

The board complies with BS EN 520:2004 -Type A

Physical properties

Strength - BS EN 520 Breaking load longitudinal >300 N, transverse > 150 N

Surface spread of flame - Class 1 to BS 476 pt 7

Fire propagation index - $1 < i < 3$ to BS 476 pt 6 Class O

Limited combustibility

Euroclass A2 to EN 13501 - 2

Moisture content < 2 %

Sound insulation - Rw single sheet 18 dB

Mass - 6 kg/ m²

Thermal Conductivity - 0.23 W/mK

Thermal resistance R - 0.025 m² K/W

Joist and stud centres - maximum is 600 mm.

Handling and fixing

The handling and fixing, cutting and screwing instructions are the same as those for 9.5 mm GTEC standard Board (details on application).



Resource friendly



Robust



Fire-Rated



Recycled & recyclable



One man fixing



Score & snap



Low Carbon footprint



Lightweight

About Excel & Siniat

Excel is an independent family-run business and we take great pride in providing an unrivalled level of commitment to our customers. We continuously invest in our people, our plant and our products to ensure that our customers receive the highest quality of service.

Our partnership with Siniat has led to the development of Eco⁶ with its outstanding technical performance. Siniat form part of the global Etex group, manufacturing drywall products for partitions, ceilings, wall linings and external sheathing purposes.

By forming key partnerships we are able to consistently deliver high-performance solutions.

Jeff Thomas
Managing Director



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