

# General Purpose Sheathing Board

**Econic GPS board is a high quality, versatile, non combustible sheathing for SFS, volumetric infill, SIPS, pre-insulated panels and off site modular systems.**

**UKAS tested and proven for fire, structure and hygrothermal performance**

## Key benefits

- Euroclass A1 rated for reaction to fire
- Excellent dimensional stability for airtightness
- Weather resistant – will not delaminate or bow
- Vapour permeable
- Mould and mildew resistant
- Severe Duty Rated for impact
- Good wind loadings
- High pull out strength – screw fix or nail
- 100% non hazardous material
- Easy to handle and cut on site
- Verified low embodied carbon



Typical build-up showing Econic GPS Board used in steel frame/rainscreen cladding system. Also ideal for timber systems. Cladding fixings to manufacturer's specification.

## Dimensions

Width (mm) (mm)	Length (mm)	Thickness (mm)	Weight (kg)	No. of sheets per pallet
1200	2400	3	12.2	135
1200	2400	6	18.9	98
1200	2400	9	26.6	65
1200	2400	12	35.2	49

Pre-cut sized panels and lengths up to 2700mm also available.

## Manufacture and composition

Econic GPS Board is manufactured to ISO 9001 using high quality materials. The principal constituent is Magnesium Oxide (MgO).

The board is non-toxic and free from formaldehyde, benzenes, solvents and oil-based chemicals.

## Appearance

Econic GPS Board has a polished surface on one side and a rough/keyed texture on the reverse.

## Testing

All our products are tested using UKAS accredited test houses.

**Airtightness:** Risk to airtightness is overcome due to exceptional dimensional stability.

For full details of test specifications and certification please contact us.

## Sustainability

A full life cycle analysis conducted by the Centre for Energy and Built Environment verifies that Econicboard has a carbon emission rating 20% of cement fibre boards.

## Sitework

**Storage:** Econic GPS Board can be stored outside with suitable protection.

**Cutting:** Can be cut using normal wood working tools. A tungsten carbide or diamond tipped blade is recommended. Dust extraction is advised for high volume cutting/machining.

**Fixings:** Please contact us or Tri-fix ([www.trifix.co.uk](http://www.trifix.co.uk)) for approved fixing details and installation guides

**Joints:** Allow a 3 to 4mm gap left between the boards. When installing Econic GPS Boards the joints should be either filled with sealant or taped over.

## Performance data

Category	Method	Result
Robustness	BS EN 12467:2004	Category A
Durability	BS EN 12467:2004	Category A
Frost protection	BS EN 12467:2004	Category A
Dimensional stability	BS EN 318:2002	0.01% on length 0.18% on thickness
Wind loadings	BS 6399: Part 2	4.8kN/m <sup>2</sup>
Moisture content	BS EN 322: 1993 at 20°C - 65%, RH = at 20°C - 30%, RH =	15% 11%
Vapour resistivity	BS EN 12572:2001	1.2MNs/g
Thermal conductivity	ISO 8302: 1991 EN 12664: 2001	0.4W/mK
Density (av.)	BS EN 12390-7	1130kg/m <sup>3</sup>
Impact strength	BS 5234	Severe Duty Rated
Tensile strength	BS EN 1608:997	4.20N/mm <sup>2</sup>
Bending strength	BS EN 12467:2004	Class I
Reaction to fire	BS EN 13501-1:2007	Euroclass A1
Modulus of rupture	BS EN 12467:2004	6.89N/mm <sup>2</sup>
Pull-out resistance	BS EN 845-1	>600N
Pull through strength	EN 1383: 1999	19.95N/mm <sup>2</sup>
Racking	BS EN 594: 2011	
9mm steel	Top load 0KN Top load 5KN	2.18KN/m 1.68KN/m
12mm steel	Top load 0KN Top load 5KN	2.33KN/m 2.05KN/m

## Availability

Econic GPS Boards are exclusively available from Duncryne through a national network of distributors. Please contact us at the address below to find your nearest supplier:

## Other products

Duncryne are exclusive suppliers of a range of buildings boards to meet various demanding applications:

Econic Tile Backer Board, Econic Fire Board, Econic Render Carrier Board, Econic Soffit Lining Board, Econic Composite panel board.

Please contact us at the address below for more information.

Exclusively available from:

**Duncryne** 0/1, 91 Hyndland Street, Hyndland, Glasgow G11 5PU  
Tel: +44 (0)141 576 0077 E: [keithj@duncryne.com](mailto:keithj@duncryne.com) / [david@duncryne.com](mailto:david@duncryne.com)  
[www.econicperformancesystems.com](http://www.econicperformancesystems.com)