

# Product Data Sheet

## Gyproc® ThermaLine PIR 53mm

Gyproc ThermaLine PIR 53mm is a gypsum plasterboard with vapour control layers bonded to high performance polyisocyanurate foam insulant to reduce the risk of condensation.

### Where to use

Use it in refurbishment and new build for walls, ceilings and room in the roof where a high level of cost effective thermal insulation is required to reduce heat loss from buildings.



### Product information

#### Composition

This plasterboard is made from Gyproc WallBoard 12.5mm bonded to a rigid polyisocyanurate foam (PIR) with a multi-layer kraft aluminium facer on both sides of the insulation foam.

#### Colour

Face colour: Ivory.

Colour of insulation: Yellow polyisocyanurate foam with ivory paper coating.

#### Where to buy

[Click here.](#)

### DIMENSIONS AND WEIGHTS

PRODUCT SIZES (mm)	1200 X 2400
Nominal thickness (mm)	53
Minimum weight (kg/m <sup>2</sup> )	10.2
Edge options	Tapered edge
Width: maximum tolerance (mm)	+2
Width: minimum tolerance (mm)	-4
Length: maximum tolerance (mm)	+6
Length: minimum tolerance (mm)	-5
Number of tapered edges	2
Taper: maximum width (mm)	80
Taper: minimum width (mm)	40
Taper: maximum depth (mm)	2.5
Taper: minimum depth (mm)	0.6
Average thickness tolerance: maximum (mm)	+3
Average thickness tolerance: minimum (mm)	-3

NB: Dimensional tolerances. Quality controls are set to meet customer requirements between these maximum and minimum tolerances.

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### Performance

Here we only provide performance information related to the product. Please see the White Book for system-dependent performance.

### Standards

EN 13950:2014.

BBA: 13/5016.

Reaction to fire	B-s1, d0
Thermal resistance (m <sup>2</sup> K/W)	1.85
Water vapour permeability (μ)	845
Maximum continuous temperature exposure (°C)	49
Flexural strength to EN13950	Pass

### Installation

#### Effect of condensation

The thermal insulation and ventilation requirements of national Building Regulations aim to reduce the risk of condensation and mould growth in new buildings. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects.

#### Cutting

Cut with a plasterboard saw. Holes for socket boxes etc. should be cut using a utility saw.

#### Fixing

Fix with the decorative side out to receive finishes. Install fixings at least 13mm from cut edges and 10mm from bound edges. Position cut edges at internal angles wherever possible.

#### Jointing

After fixing the board, start finishing it as soon as you can to limit the risk of damage or UV degradation to the paper liner. You can finish the board using jointing systems that comply with EN13963, including the Gyproc range.

#### Full-surface finishing

After fixing the board, start finishing it as soon as you can to limit the risk of damage or UV degradation to the paper liner. You can finish the board using plaster that complies with EN13279-1, including the Thistle range.

#### Painting

Start decorating as soon as possible after the finishing system is dry. Finish jointing systems with Gyproc Drywall Primer before painting.

#### Wallpapering

Decoration should start as soon as practicable after the finishing system is dry. Jointing systems should be finished with Gyproc Drywall Sealer before application of wallcoverings.

#### Snagging and minor repairs

For minor damage and dents, check that the board core isn't shattered. If it's intact, fill the damaged area with Gyproc EasiFill 60, allow it to set, then apply a second coat if you need to. When it's dry, sand it to a finish before redecorating the area.

For a damaged core, broken edges or extensive damage, repair and replacement procedures differ depending on the number of board layers and fire resistance of the system; please contact our Technical Support Team for specific advice.

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### Sitework

#### Storage

Keep boards dry, and make sure floor or ground surfaces are flat and strong enough to support them.

#### Safety Data Sheet

Safety Data Sheet (SDS) available. [Click here.](#)

#### Packaging overview

Supplied on a reusable wooden pallet.

### Environmental

#### Recyclability

You can recycle the plasterboard element of this product as long as it has minimal contamination from non-gypsum materials and is segregated from the insulant.

Small quantities of the laminated product may be accepted within gypsum recycling, please check with the recycler.

#### Disposal

Segregate boards from non-gypsum waste for recycling where possible. Dispose of them according to local authority requirements.

#### BES 6001 classification

Excellent.



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