

# Gaia Boards

## Thermal Construction Boards



**High performance wall and floor construction board**  
**Excellent thermal insulation**  
**Waterproof**  
**Lightweight**  
**High compressive strength**

### Product Overview

Gaia Thermal Construction Board also known as Thermal Tilebacker Boards are manufactured from high density extruded polystyrene with a specifically formulated reinforced cementitious surface coating. The insulating property of the extruded polystyrene provides excellent insulation and is CFC, HCFC and HFC free.

The tough surface coating provides the perfect surface for the application of tiles and plaster. Gaia Thermal Construction Boards are suitable for use in a wide range of internal and external applications.



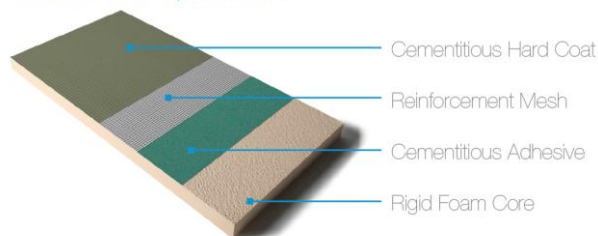
### Applications

- Tiling
- Plaster and synthetic render systems
- Underfloor heating insulation
- Wetroom and spa environments
- Basements and loft conversions
- Conservatory Ceilings

### Versatile!

Gaia Thermal Construction Boards are designed to be user friendly. They are thermally insulating, waterproof and lightweight. They can be easily cut, shaped and installed using conventional hand tools.

### Board Composition



### Properties

Compressive Strength (10% compression)  
 Thermal Conductivity to BSEN 13164 (5 years)  
 Water Absorption by volume tested to BSEN 12087  
 Density (foam core only)  
 Temperature Range  
 Fire Performance

### Value

300kpa  
 0.033W/Mk  
 0.6%  
 36Kg/m<sup>3</sup>  
 -50°C, +75°C  
 Class 0

| Product ID | Thickness | Width | Length | Weight | U-Value                 |
|------------|-----------|-------|--------|--------|-------------------------|
| B0010      | 6mm       | 600mm | 1200mm | 2.35kg | 3.05W/m <sup>2</sup> K  |
| B0020      | 10mm      | 600mm | 1200mm | 2.37kg | 2.23 W/m <sup>2</sup> K |

