

Product Name:

XTherm Gold

Description:

XTherm Gold is a premium high-performance insulation board made of expanded rigid Polyisocyanate (PIR) closed cell foam free of CFC or HCFC. Product is used to form a thermal envelope to buildings.

Typical Uses:

- Insulated overlay to masonry buildings
- Insulated substrate over timber/steel framed buildings
- Underfloor Insulation
- Perimeter Edge Insulation

Expectation:

An inert, rigid foam product does not settle, or take up moisture over time, thus ensuring the Thermal performance or R-value for the life of the building. It is impervious to water-related damage and deterioration, making it the perfect material for areas that are damp on a regular basis.

Technical Data:

Typical thicknesses:	50mm
Thermal Conductivity:	0.0214 W/m.K
Thermal Resistance R-Value:	50mm - R2.3 (m ² K/W) 75mm - R3.5 (m ² K/W) 100mm - R4.7 (m ² K/W)
Board density :	38-42 kg/m ³ ± 1.5
Compressive strength:	≥0.09MPa
Shear strength:	≥0.11MPa
Water vapour transmission rate:	10-15 g/m ² .24h
Dimensional stability:	≤3% (70C/95%RH,20hrs) ≤1% (-10C,20hrs)

Fire Performance

AS 1366.2-1992, ISO5660.1.

PIR foam is a thermosetting material. It does not melt, flow or drip when exposed to fire. It will form a strong char that helps protect the foam core and prevent flame spread within the panels. PIR will self-extinguish as soon as the cause of the fire is removed.

Surface Preparation:

If the sheet has been left exposed to UV / sunlight for more than two weeks, dust

and dirt may build up on the surface, the surface may also discolour (yellow). If you are applying a coating to the sheet you must first remove all surface dust, oxidisation, and other contaminants. Use a rasp or a stiff broom to prepare the sheet for any subsequent coatings.

Application:

If you are applying the sheeting to a wall then a check should be made using a straight edge to ensure the wall is flat, plumb and true. Any irregularities should be taken out by straightening using a rasp.

The Render coating is not designed to straighten deviations that exceed the specified Resene Construction Systems Render System thickness.

Environmental and Safety:

Ensure PIR does not enter waterways. Contain in bags to ensure loose material is not blown away. There are currently many locations around the country that provide access to recycling services. Many of these recycling providers also offer to pick up and drop off services, to ensure you can recycle hassle-free. They are also committed to environmentally sound recycling processes and ensuring that PIR can be recycled and reused many times over.