



## PIR boards GTM/GTB TECHNONICOL



### DESCRIPTION:

PIR GTM/GTB TECHNONICOL is a thermal insulation board made of rigid PIR foam faced with bitumen coated glass tissue on top side and mineral coated glass tissue on bottom side.

This high performance PIR insulation board is used in flat roof systems with most of installation methods of bitumen felt, from torch on to hot/cold bitumen adhesives and self-adhesive bitumen-polymer membranes.

Being very rigid and perfectly flat, PIR is an ideal substrate for waterproofing materials.

PIR GTM/GTB TECHNONICOL is 100 % CFC, HCFC or HFC-free.

### APPLICATION:

**Flat roof:** flat roof insulation for timber, concrete and steel deck

### ADVANTAGES:

- High-performance, rigid thermoset insulation – thermal conductivity as low as 0.026 W/m<sup>2</sup>K
- Bitumen coating makes any installation method of bitumen felt faster and easier.
- PIR maintains stable performance for a long period of time

### EDGE FINISH:



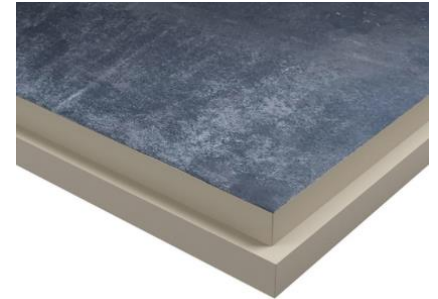
Straight



Rebate (L)



Tongue and groove (T)



**PRODUCT STANDARD:**  
EN 13165 + A2:2016

**PRODUCTION:**  
ISO 9001:2015

**ENVIRONMENTAL MANAGEMENT:**  
ISO 14001:2015

### PERFORMANCE AND KEY PROPERTIES:

Properties	Test Method	PIR boards GTM/GTB TECHNONICOL
Thermal conductivity $\lambda_D$ , W/(m <sup>2</sup> K)	EN 12667	0.026
Thickness tolerance	EN 823	T2
Reaction to fire	EN 13501-1	Class F
Compressive stress or compressive strength, CS(10\Y)150, kPa	EN 826	≥ 150
Water permeability - long term water absorption, WL(T)	EN ISO 29767	≤ 1.0
Water permeability - flatness after one sided wetting, FW2	EN 825	≤ 10
Density, kg/m <sup>3</sup>	EN 1602	30 ± 2
Facing type		glass tissue with bitumen coating

Thickness (mm)	30	40	50	60	70	80	90	100	110	120	130	140	150
Rd (m <sup>2</sup> .K/W)	1,15	1,54	1,92	2,31	2,69	3,08	3,46	3,85	4,23	4,62	5,0	5,38	5,77

### DIMENSIONS:

Standard dimensions, mm	2400x1200,
Dimensions on request, mm	1200x600
Thickness, mm	30-150 in steps of ten

\* The boards produced with rebates on four sides have actual size 2385x1185, 1185x585.

### PACKAGING AND STORAGE:

Boards are packed in UV-stabilized film and delivered on pallets. PIR insulation boards should be stored indoor or under shelter protecting them from sun radiation and precipitation.