

PIR Insulation

Fire reaction class D

Insulating plate with a coefficient of type L joint

*Double insulation compared to mineral wool or expanded polystyrene.

0,022
W/mK

- ✓ Thermal performance
- ✓ Quality over time
- ✓ Low weight
- ✓ Eco friendly
- ✓ Safety



FG - FG

Thermotop FG - FG is a high-performance PIR core insulating plate with two-layer FG film coating - mineral support with reinforced glass fiber inserts acting as armature.

FG/FG is part of the range of Thermotop insulating plates for industrial projects.

When using Thermotop for your projects, you can trust that you have chosen the best solution.

- High Efficiency Rigid Foam Insulation Plates with λD , of 0.022 W/mK
- Thermotop FG is approved and applied in combination with mechanically fixed and / or mechanically balanced monolayer and multilayer roof systems
- Product without CFK / HCFK expanding agents and with low-emission foil coating
- Resistance to compression ≥ 125 KPa.

FG - FG is designed to provide a high level of thermal insulation, providing the optimal solution for new construction and renovation. Whether you are building or upgrading, consider the energy efficiency of your home. You can have many benefits, including low energy costs and better living conditions.

BV - BV

Thermotop BV - BV is a high performance PIR core insulating plate with a two-layer BV film coating – a membrane that acts as vapor barrier.

The outer walls are the areas with the most significant share of the total heat loss for a building. The most important application of Thermotop BV - BV is: thermal insulation of exterior walls by mechanical and / or adhesive grip.

***Thermotop BV - BV** is suitable for traditional insulation systems with mesh and plaster.

- High efficiency rigid foam insulating plates with λD , of 0.022 W/mK
- Product without CFK / HCFK expanding agents and with low-emission foil coating
- Suitable for new construction and renovation projects
- Fire reaction class D

The possibility to be produced with an L-type joint that ensures the continuity of the thermal insulation and leads to the avoidance of the thermal bridge phenomenon.

AL - AL

Topanel Thermotop AL - AL is a PIR core insulating plate, covered with two sides of gas-tight aluminum foil with a thickness of approximately 50 μm , sealed, used for efficient thermal solutions of industrial, commercial and residential buildings.

Thermotop AL - AL is not used with adhesive, only mechanical fastening.

Resistance to compression ≥ 175 Kpa^{*}

The main applications for **Thermotop AL - AL** are:

- Insulation to provide a thermal barrier to roofs
- Isolation of walls if required to create a thermal barrier and vapor barrier
- Isolation of floors where radiant surfaces are required
- Thermal insulating core between the exterior wall masonry to improve thermal insulation of buildings, fire resistance and moisture reduction.

*Valid with density ≥ 36 kg/m³

The complete insulation solution

The complete Topanel poly-isocyanuric foam insulation (PIR) range offers technically and economically advanced solutions for the roof, wall, curtain wall and floor insulation, with a certified thermal conductivity of 0.022 W/mK



High performance PIR insulation

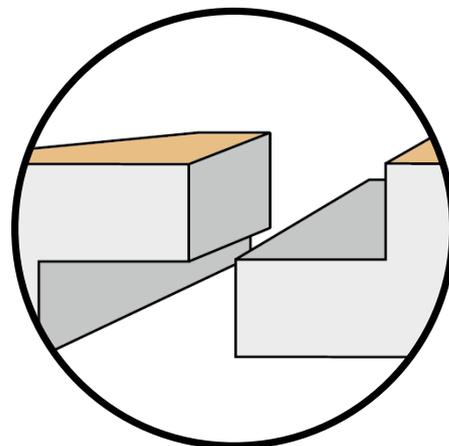
THERMOTOP is high-efficiency poly-isocyanuric foam (PIR) insulation with a certified thermal conductivity of 0.022 W/mk

THERMOTOP ADVANTAGES

Compared against the traditional thermally insulating materials:

- avoid the heat bridge phenomenon due to the L type joint;
- maintain the strength and thermal technical parameters for several decades;
- low thickness of the plates from the point of view of the thermal resistance provided compared against other insulating materials;
- it allows the walls to breathe for FG-FG and BV-BV coatings
- high compression resistance ≥ 125 KPa;
- AL – AL high compression resistance ≥ 175 KPa*;
- low weight (under 32 kg/m³);
- the best thermal conductivity 0,022 W/mK.

4-sided L-type joint



Material	Thermal conductivity (W/mK)
 THERMOTOP [®] insulation system	0,022
Extruded polystyrene	0,035
Mineral wool	0,041
Expanded polystyrene	0,042
Brick	0,560

Standard dimensions	mm
Width x length	600 x 1200
Thickness	30 - 40 - 50 - 60 - 80 - 100 - 120 - 150

Special sizes 600x600 mm and 1200x1200 mm