

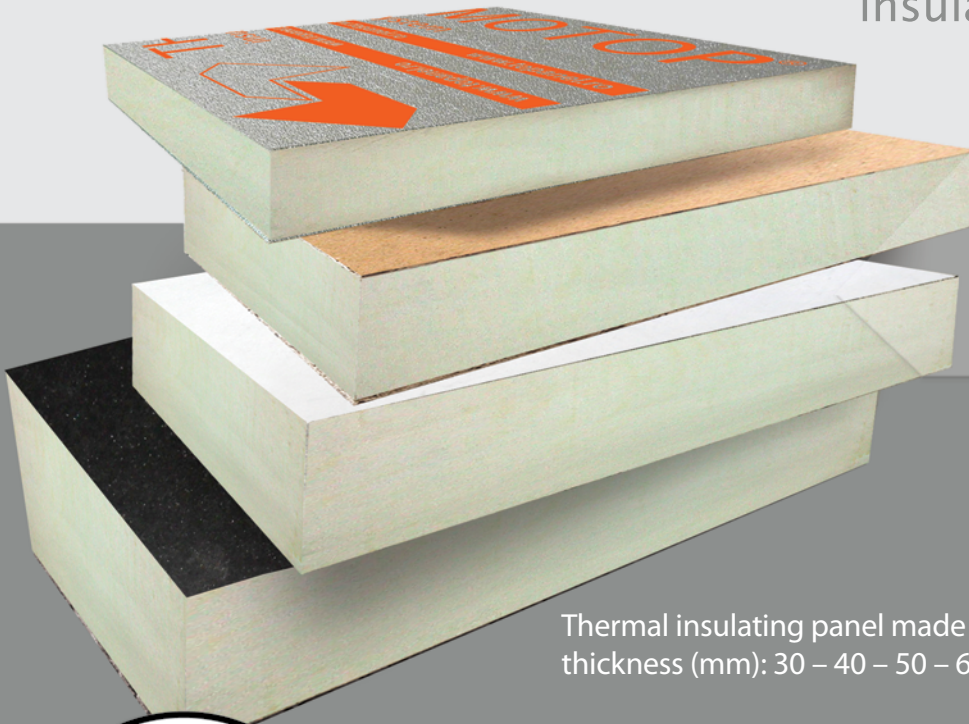


HOMOLOGATED
PRODUCT

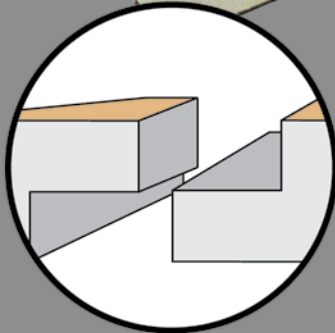


THERMOTOP®

insulation system



Thermal insulating panel made of PIR foam (polyisocyanate)
thickness (mm): 30 – 40 – 50 – 60 – 80 – 100 – 120



4-sided L-type joint

- sides coated with:
 - AL – AL (aluminum foil)
 - FG – FG (fiber glass mineral support)
 - B – B (asphalt cardboard)
 - P – P (Kraft paper) depending on the thermal insulating construction element
- insulation up to 80% higher than traditional thermal insulating materials;
- thermal conductivity: 0.022 W/mK;
- it does not allow moisture ingress (for AL-AL, B-B coatings)
- it allows the walls to breathe (for FG-FG, P-P coatings)
- improved fireproof features compared against the traditional polystyrene.



APPLICATIONS:

AL – AL: floors
aired facades
framed walls

P – P: walls coating
terraces
roofs

FG – FG: walls coating
false ceilings

B – B: terraces supported on reinforced concrete
roofs, <7% slope
ridge-type roof

TECHNICAL CHARACTERISTICS

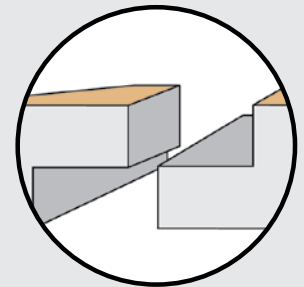
Characteristics (standard)	Description	Symbol	Value
Initial average thermal conductivity (EN 12667)	Value measured at 10°C	W/mk	0.022
Compression strength (EN 826)	Value measured at 10% distortion	kPa	Minimum 205
Thermal transfer	Depending on the panel thickness	W/m2k	0.18-0.73
Eater vapors diffusion strength (EN 12086)	Value	m2hP/mg	13+/-3
Tensile strength (EN 1607)	Perpendicular to sides	KPa	Minim 100
Fire reaction European class (EN 13501-1) (EN 11925-2) (EN 13823SBI)	-	European class	E


THERMOTOP[®] ADVANTAGES

4-sided L-type joint

Compared against the traditional thermally insulating materials:

- avoid the heat bridge phenomenon due to the joint which provides the insulation continuity;
- 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, P-P coatings)
- high compression resistance;
- easy to handle and install;
- proof against chemicals and oil-based solvents (gasoline, insects sprays, adhesives), funguses and rodents;
- chemically inert and safe to use;
- ideal for new constructions and for refurbishments.



Material	Thermal conductivity (W/mK)
 THERMOTOP [®] insulation system	0.022
Extruded polystyrene	0.035
Expanded polystyrene	0.040
Mineral wool	0.041
Cork	0.045
AAC (autoclaved aerated concrete)	0.400

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

TOPANEL[®]
THERMAL INSULATING PANELS

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