

Young Entrepreneur Award  
prémio do jovem empreendedor



# Master ISO<sup>®</sup>



## Luxury in thermal insulation

### What are Master ISO boards?

Master ISO boards are polyisocyanurate (PIR) boards. These boards are produced to offer the best thermal insulation product on the market.

The Master ISO boards are certified.



#### Low thermal conductivity index:

Thus, it is the product with the best thermal efficiency available in the market.

When compared with other products, **less thickness** is required to obtain the same level of insulation.



#### Water and Moisture Resistance

Master ISO boards are made up of 95% closed cells and 5% open cells. Due to their composition, these boards do not absorb or carry water, letting the house breathe and preventing all kinds of problems such as mould, fungi.



#### Excellent dimensional stability

One of the great advantages offered by Master ISO boards is their superior performance even with extreme changes of temperature. Very important: ETICS System.



#### Excellent performance with compression,

but maintains the elasticity needed to allow fitting to the structure without breaking. Very important: ETICS System.



#### Lightweight product

About 97% of the volume of Master iso boards is gas, making the boards very light, low density, combined with a high resistance to compression. Very important: ETICS System.



#### Chemical and biological resistance

Contact with chemicals can alter the properties of some thermal insulations. Master ISO boards are resistant to the vast majority of chemicals.



#### Resistance to rotting

even in direct and permanent contact with water.



#### It does not attract insects nor rodents



#### Excellent fire performance

Master iso boards are resistant to direct flames. When in contact with fire there is no scattering of particles or burning droplets.



#### Master iso boards are free of CFCs and HCFCs.

# RANGE RANGE *Master* ISO<sup>®</sup> RANGE RANGE

This range consists of four different products tailored to each specific case.

## ISOWALL<sup>®</sup>

Polyisocyanurate foam (PIR) boards specially developed for walls with air chamber and simple walls. Having the lowest rate of thermal conductivity, these boards have a thickness starting at 20 mm. Density 35 kg/m<sup>3</sup>. Half joint system to avoid thermal loss.

## ISOROOF<sup>®</sup>

Polyisocyanurate foam (PIR) boards specially developed for roofs. Combining the lowest rate of thermal conductivity with excellent dimensional stability, these boards have a thickness starting at 30 mm. Density 35 kg/m<sup>3</sup>. These boards are striped. Half joint system to avoid thermal loss.

## ISOFLOOR<sup>®</sup>

Polyisocyanurate foam (PIR) boards specially designed for floors. Combining the lowest rate of thermal conductivity with high resistance to compression, these boards have a thickness starting at 30 mm.

## **NEW** ISOETICS<sup>®</sup>

Boards especially for the ETICS system (exterior insulation). The boards have the lowest rate of thermal conductivity, excellent dimensional stability, excellent mechanical strength, excellent adhesion to mortar and are easy to use.

PROPERTIES	STANDARD	UNIT	ISO WALL	ISO ROOF	ISO FLOOR	ISO ETICS
Length		mm	2600/1300	1300	1300	1000
Width		mm	700	700	700	700
Thickness		mm	20,25,30... 60	30,35,40... 60	30,35,40... 80	20,25,30... 60
Surface			smooth		smooth	smooth
Perimental Cut			half joint**	half joint**	smooth	smooth
Density		kg/m <sup>3</sup>	35	35	35	35
Thermal conductivity*	EN 13165:2008	w/mk	0.023	0.023	0.023	0.023
Compression performance	EN 826	Kpa	250	250	250	250
Dimensional stability 70+/-2°C and 90+/-5 % HR	EN 1604:1998	% v/v	<2	<2	<2	<2
Flammability	EN 13501:2007		E	E	E	E
Closed cells		%	90-95	90-95	90-95	90-95
Use			Double walls/ Simple walls	Roofs	Residential pavement/ Industrial pavement	Exterior insulation system

\*normally test/21 days

\*\*Available only in more than 30 mm thick  
Other dimensions on request.

This product complies with European standard EN13165.

