



Leaf^o

INSULATION TECHNOLOGY

THE BRAND NEW INSULATING TECHNOLOGY FOR THE CONSTRUCTION INDUSTRY by ISOPAN

For over forty years, Isopan has been actively contributing to the global challenge of improving the building industry, in accordance with environmental sustainability.

Isopan has created and launched a **new technology** that will allow your bulding to reach **better performance, increased sustainability, higher safety and thermal insulation**, combined with Isopan's expertise.

Leaf^o for WALLS



SPAN mm	1150 (ISOFROZEN & ISOFROZEN HT)			
	1070 - 1225 (ISOFRIGO G.I. Foamed joint)			
FIXING	Visible			
FIRE REACTION CLASS	B - s1, d0			
THICKNESS mm	100	120	150	200
U - W/m²K	0,18	0,15	0,12	0,09

Leaf^o for ROOFS



SPAN mm	1000			
FIXING	Visible			
FIRE REACTION CLASS	B - s1, d0			
THICKNESS mm	60	80	100	120
U - W/m²K	0,33	0,23	0,18	0,15



THERE'S NOTHING GREENER THAN A LEAF.

THERMAL PERFORMANCE

According to the more demanding regulations, Isopan has worked to innovate production technology and develop new generation insulating materials, to enhance thermal performance.

LEAF technology improves the thermal performance of insulating material, by lowering the thermal conductivity of polyurethane foam.

Consequently, LEAF technology gives **lower thermal transmittance values** compared to standard products. This improvement leads to **lower heat loss (up to 20%)** on the building envelope.



FIRE PERFORMANCE

In a more demanding society for safety and health, Isopan made an effort in achieving the best fire performance for its products.

Hence, **LEAF** technology has got the best European Fire Reaction Class attainable for polyurethane sandwich panels, namely **B-s1,d0**.

The "s1" performance is particularly important for a polyurethane-insulated panel, because it **states that no smoke is produced** in case of fire exposure.



SUSTAINABILITY AND ENVIRONMENT

LEAF technology represents a step forward more sustainable buildings, thanks to the continuous effort of Isopan R&D.

Commonly used flame retardants improve fire performances of insulating materials, but they contain halogenated compounds, potentially dangerous for the environment.

With LEAF technology, Isopan offers best fire performance **without halogenated flame retardants**.

