

PLF STONE WOOL BOARDS



Code certification CE: MW – EN 13162 – T3- MU1



TECHNICAL SPECIFICATION

Boards made from ISOVER stone wool. The boards are obtained by melting the mineral raw materials in a furnace, fiberising the melt by REX process, spraying a binder and adding mineral oils for protection against dust and water repellence.

The mineral fibers mat is processed into boards which are packaged on the production line.

APPLICATION

ISOVER PLF boards are used for thermal, acoustic and fire insulation in civil and industrial buildings:

- ventilated facades
- curtain walls
- partition walls with specified fire resistance performances

PACKAGING, TRANSPORT, WAREHOUSING

ISOVER PLF boards are packaged in PE foil. The boards must be transported and stored avoiding contact with water, or other damage.

BENEFITS

- high thermal insulation performance (low thermal conductivity)
- fire safety - non combustible material
- excellent acoustic properties (high absorption coefficient)
- easy to handle, non-toxic
- low vapour flow resistance
- long term resistance in vertical position
- environment friendly and hygienic
- completely hydrophobic - is made water repellent
- long life span and time-stable properties
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc.

CERTIFICATES, STANDARDS, APPROVALS

- EC Certificate: 1840-DPC-99/91/EC/0114-07
- ISO 9001, ISO 14001, OHSAS 18001

TECHNICAL PARAMETERS

PARAMETER	UNIT	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity λ_D	W/(m K)	0,035
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Maximum temperature for use	°C	200
Melting temperature	°C	≥ 1000
Air flow resistivity A_{Fr}	kPa s/m ²	>5
Water vapour diffusion resistance factor μ MU	-	1

SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm x mm)	Area (m ² /package)	Declared thermal resistance R_D (m ² .K/W)
PLF 40	40	1000 x 600	4,80	1,10
PLF 50	50	1000 x 600	4,80	1,40
PLF 60	60	1000 x 600	3,60	1,70
PLF 80	80	1000 x 600	2,40	2,25
PLF 100	100	1000 x 600	2,40	2,85
PLF 120	120	1000 x 600	1,80	3,40



02.06.2011. Declared characteristics are valid at the date of publishing. The manufacturer reserves the right to change them.

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