

# PLN ALU STONE WOOL SLABS



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



## TECHNICAL SPECIFICATION

Boards made from ISOVER stone wool and faced with Aluminium foil. 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 faced with Aluminium foil and processed into boards, which are packaged on the production line.

## APPLICATION

ISOVER PLN ALU slabs are used for thermal, acoustic and fire insulation in civil and industrial buildings:

- curtain walls

## PACKAGING, TRANSPORT, WAREHOUSING

ISOVER PLN ALU slabs are packaged in PE foil. The slabs 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  |
|---|---------|--------|
| <b>THERMAL INSULATION PROPERTIES</b>      |         |        |
| Declared thermal conductivity $\lambda_D$ | W/(m K) | 0,034  |
| <b>FIRE SAFETY PROPERTIES</b>             |         |        |
| Reaction to fire                          | -       | A1     |
| <b>OTHER PROPERTIES</b>                   |         |        |
| Maximum temperature for use               | °C      | 200    |
| Melting temperature                       | °C      | ≥ 1000 |

## DIMENSIONS AND PACKAGING

| Product     | Thickness (mm) | Length * width (mm) | Dimension per package (m <sup>2</sup> /package) | Declared thermal resistance R <sub>D</sub> (m <sup>2</sup> .K/W) |
|-------------|----------------|---------------------|---|--|
| PLN 50 ALU  | 50             | 1000 x 600          | 4,80  | 1,45   |
| PLN 60 ALU  | 60             | 1000 x 600          | 3,60  | 1,75   |
| PLN 80 ALU  | 80             | 1000 x 600          | 2,40  | 2,35   |
| PLN 100 ALU | 100            | 1000 x 600          | 2,40  | 2,90   |



02.10.2012. Declared characteristics are valid at the date of publishing. The manufacturer reserves the right to change them.

Saint-Gobain Construction Products Romania SRL  
 ISOVER Business Unit  
 Tel: +40(0)21/207 57 25; +40(0)21/207 57 23 Fax:+40(0)21207 57 21  
 E-mail:isover@isover.ro; web: www.isover.ro

