

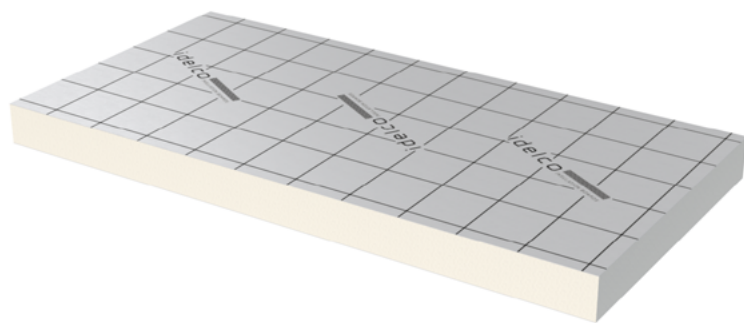
# IDELCO-ROOF & IDELCO-ROOF+

Combining excellent thermal performance, lightness and high resistance to compression, IDELCO-ROOF & IDELCO-ROOF+ insulation boards are intended for flat and slightly inclined roofs. Coated on both sides with an aluminium or multi-layer aluminium facing, these high-quality boards are equally well suited to mechanical fixing and gluing.

## GENERAL CHARACTERISTICS

| PRODUCT       | APPLICATION | INSULATION | FACING                       | DIMENSIONS                         | THICKNESSES | INTERLOCKING SYSTEM   |
|---------------|-------------|------------|------------------------------|------------------------------------|-------------|---|
| IDELCO-ROOF   | Flat roofs  | PIR foam   | Multi-layer aluminium facing | 1200 x 600 mm<br>or 1200 x 2400 mm | 30 -160mm   | <ul style="list-style-type: none"> <li>■ Straight edges on 4 sides</li> <li>■ Rebated (L) on 4 sides</li> </ul> |
| IDELCO-ROOF + |             |            | Aluminium facing             |                                    | 60 - 200mm  |   |

Lambda value  $\lambda$   
**0,022**  
W/(m.K)



### IDELCO-ROOF 1200 x 600 (mm) | STRAIGHT EDGES

| REFERENCE | Denomination               | Thickness (mm) | Thermal resistance (m <sup>2</sup> .K/W) | Boards per pack (U) | m <sup>2</sup> per pack (m <sup>2</sup> ) | Packs per stack (U) | m <sup>2</sup> per stack (m <sup>2</sup> ) |
|-----------|----------------------------|----------------|--|---------------------|---|---------------------|--|
| 100081    | ROOF 30 LAM 1200x600 ST    | 30             | 1,35                                     | 16                  | 11,52                                     | 10                  | 115,20                                     |
| 100090    | ROOF 40 LAM 1200x600 ST    | 40             | 1,80                                     | 12                  | 8,64                                      | 10                  | 86,40                                      |
| 100099    | ROOF 50 LAM 1200x600 ST    | 50             | 2,25                                     | 10                  | 7,20                                      | 10                  | 72,00                                      |
| 100108    | ROOF 60 LAM 1200x600 ST ①  | 60             | 2,75                                     | 8                   | 5,76                                      | 10                  | 57,60                                      |
| 100115    | ROOF 80 LAM 1200x600 ST    | 80             | 3,60                                     | 6                   | 4,32                                      | 10                  | 43,20                                      |
| 100030    | ROOF 100 LAM 1200x600 ST ① | 100            | 4,50                                     | 5                   | 3,60                                      | 10                  | 36,00                                      |
| 100038    | ROOF 110 LAM 1200x600 ST   | 110            | 4,75                                     | 4                   | 2,88                                      | 10                  | 28,80                                      |
| 100047    | ROOF 120 LAM 1200x600 ST ① | 120            | 5,45                                     | 4                   | 2,88                                      | 10                  | 28,80                                      |
| 100056    | ROOF 140 LAM 1200x600 ST ① | 140            | 6,35                                     | 4                   | 2,88                                      | 8                   | 23,04                                      |
| 100064    | ROOF 160 LAM 1200x600 ST   | 160            | 7,25                                     | 3                   | 2,16                                      | 10                  | 21,60                                      |

① Quick delivery, standard product (MTS)

### IDELCO-ROOF 1200 x 2400 (mm) | STRAIGHT EDGES

| REFERENCE | Denomination                | Thickness (mm) | Thermal resistance (m <sup>2</sup> .K/W) | Boards per pack (U) | m <sup>2</sup> per pack (m <sup>2</sup> ) | Packs per stack (U) | m <sup>2</sup> per stack (m <sup>2</sup> ) |
|-----------|-----------------------------|----------------|--|---------------------|---|---------------------|--|
| 100079    | ROOF 30 LAM 1200x2400 ST    | 30             | 1,35                                     | 16                  | 46,08                                     | 5                   | 230,40                                     |
| 100088    | ROOF 40 LAM 1200x2400 ST    | 40             | 1,80                                     | 12                  | 34,56                                     | 5                   | 172,80                                     |
| 100097    | ROOF 50 LAM 1200x2400 ST    | 50             | 2,25                                     | 10                  | 28,80                                     | 5                   | 144,00                                     |
| 100106    | ROOF 60 LAM 1200x2400 ST ①  | 60             | 2,75                                     | 8                   | 23,04                                     | 5                   | 115,20                                     |
| 100114    | ROOF 80 LAM 1200x2400 ST    | 80             | 3,60                                     | 6                   | 17,28                                     | 5                   | 86,40                                      |
| 100028    | ROOF 100 LAM 1200x2400 ST ① | 100            | 4,50                                     | 5                   | 14,40                                     | 5                   | 72,00                                      |
| 100036    | ROOF 110 LAM 1200x2400 ST   | 110            | 4,75                                     | 4                   | 11,52                                     | 5                   | 57,60                                      |
| 100045    | ROOF 120 LAM 1200x2400 ST ① | 120            | 5,45                                     | 4                   | 11,52                                     | 5                   | 57,60                                      |
| 100054    | ROOF 140 LAM 1200x2400 ST ① | 140            | 6,35                                     | 4                   | 11,52                                     | 4                   | 46,08                                      |
| 100062    | ROOF 160 LAM 1200x2400 ST   | 160            | 7,25                                     | 3                   | 8,64                                      | 5                   | 43,20                                      |

① Quick delivery, standard product (MTS)

## IDELCO-ROOF 1200 x 2400 (mm) | SHIPLAPPED EDGES

| REFERENCE | Denomination              | Thickness (mm) | Thermal resistance (m <sup>2</sup> .K/W) | Boards per pack (U) | m <sup>2</sup> per pack (m <sup>2</sup> ) | Packs per stack (U) | m <sup>2</sup> per stack (m <sup>2</sup> ) |
|-----------|---------------------------|----------------|--|---------------------|---|---------------------|--|
| 100105    | ROOF 60 LAM 1200x2400 SP  | 60             | 2,75                                     | 8                   | 23,04                                     | 5                   | 115,20                                     |
| 100113    | ROOF 80 LAM 1200x2400 SP  | 80             | 3,60                                     | 6                   | 17,28                                     | 5                   | 86,40                                      |
| 100027    | ROOF 100 LAM 1200x2400 SP | 100            | 4,50                                     | 5                   | 14,40                                     | 5                   | 72,00                                      |
| 100044    | ROOF 120 LAM 1200x2400 SP | 120            | 5,45                                     | 4                   | 11,52                                     | 5                   | 57,60                                      |
| 100053    | ROOF 140 LAM 1200x2400 SP | 140            | 6,35                                     | 4                   | 11,52                                     | 4                   | 46,08                                      |
| 100061    | ROOF 160 LAM 1200x2400 SP | 160            | 7,25                                     | 3                   | 8,64                                      | 5                   | 43,20                                      |
| 100067    | ROOF 180 LAM 1200x2400 SP | 180            | 8,15                                     | 2                   | 5,76                                      | 6                   | 34,56                                      |
| 100071    | ROOF 200 LAM 1200x2400 SP | 200            | 9,05                                     | 2                   | 5,76                                      | 6                   | 34,56                                      |

## IDELCO-ROOF+ 1200 x 2400 (mm) | STRAIGHT EDGES

| REFERENCE | Denomination              | Thickness (mm) | Thermal resistance (m <sup>2</sup> .K/W) | Boards per pack (U) | m <sup>2</sup> per pack (m <sup>2</sup> ) | Packs per stack (U) | m <sup>2</sup> per stack (m <sup>2</sup> ) |
|-----------|---------------------------|----------------|--|---------------------|---|---------------------|--|
| 100101    | ROOF 60 ALU 1200x2400 ST  | 60             | 2,75                                     | 8                   | 23,04                                     | 5                   | 115,20                                     |
| 100110    | ROOF 80 ALU 1200x2400 ST  | 80             | 3,60                                     | 6                   | 17,28                                     | 5                   | 86,40                                      |
| 100023    | ROOF 100 ALU 1200x2400 ST | 100            | 4,50                                     | 5                   | 14,40                                     | 5                   | 72,00                                      |
| 100040    | ROOF 120 ALU 1200x2400 ST | 120            | 5,45                                     | 4                   | 11,52                                     | 5                   | 57,60                                      |
| 100049    | ROOF 140 ALU 1200x2400 ST | 140            | 6,35                                     | 4                   | 11,52                                     | 4                   | 46,08                                      |
| 100057    | ROOF 160 ALU 1200x2400 ST | 160            | 7,25                                     | 3                   | 8,64                                      | 5                   | 43,20                                      |

## TECHNICAL PROPERTIES

|  |  |
|--|--|
| Thermal conductivity : ( $\lambda$ )                           | 0,022 W/m.K                                      |
| Compressive strength at 10% deformation                        | Min. 150 kPa                                     |
| Foam density   | 30 kg/m <sup>3</sup> (+ /- 2 kg/m <sup>3</sup> ) |
| Water vapor diffusion resistance of the PIR foam : $\mu_{(d)}$ | 50 to 100 meters                                 |
| Reaction to fire class (according to EN 13501-1)               | IDELCO-ROOF : F<br>IDELCO-ROOF+ : D              |

