
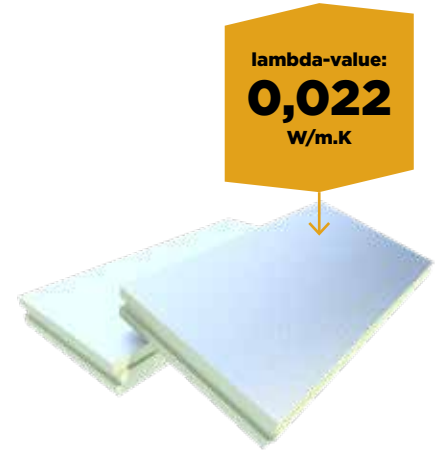


# UTHERM Wall A

**Insulation board  
for cavity wall  
and ventilated  
façade**

**Wall A is a PIR insulation board Euroclass D finished on both sides with a gastight pure aluminium facing of approx. 50 µm.**

|                    |  |
|--------------------|--|
| <b>Application</b> | Insulation boards for cavity walls and for ventilated façades  |
| <b>Insulation</b>  | Polyisocyanurate (PIR)<br><b>Declared lambda-value (<math>\lambda_D</math>):<br/>0,022 W/m.K</b>                           |
| <b>Facing</b>      | A : light-wiped, gastight pure aluminum of approx. 50 µm   |
| <b>Dimensions</b>  | Standard: 1200 x 600 mm  |
| <b>Edge finish</b> | Tongue- & groove joint along the 4 sides  |

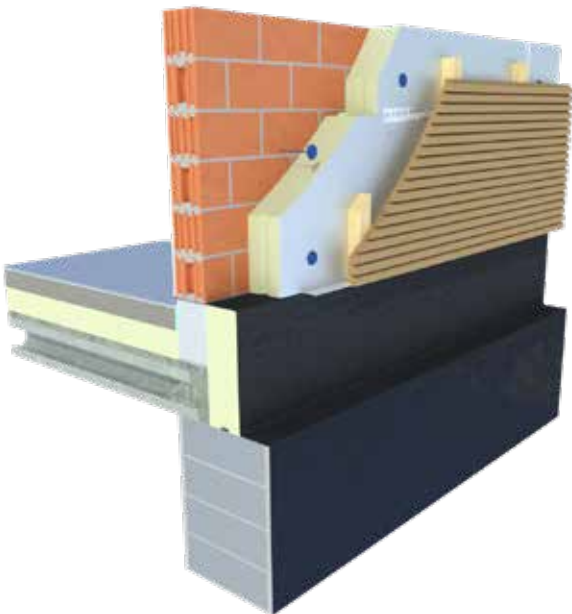


| Insulation-thickness [mm]    | $R_{D\text{ INSUL}}$ value [m <sup>2</sup> K/W] CE | Boards per pack | m <sup>2</sup> per pack | Boards per pallet | m <sup>2</sup> per pallet | m <sup>2</sup> full load [= 22 pal.] | In stock | On demand* |
|------------------------------|--|-----------------|-------------------------|-------------------|---------------------------|--------------------------------------|----------|------------|
| <b>Wall A: 1200 x 600 mm</b> |  |                 |                         |                   |                           |                                      |          |            |
| 40                           | 1,80   | 12              | 8,64                    | 120               | 86,40                     | 1.900,80                             |          | ✓          |
| 50                           | 2,25   | 10              | 7,20                    | 100               | 72,00                     | 1.584,00                             |          | ✓          |
| 60                           | 2,70   | 8               | 5,76                    | 80                | 57,60                     | 1.267,20                             |          | ✓          |
| 70                           | 3,15   | 7               | 5,04                    | 70                | 50,40                     | 1.108,80                             |          | ✓          |
| 80                           | 3,60   | 6               | 4,32                    | 60                | 43,20                     | 950,40                               | ✓        |            |
| 90                           | 4,05   | 5               | 3,60                    | 50                | 36,00                     | 792,00                               |          | ✓          |
| 100                          | 4,50   | 5               | 3,60                    | 50                | 36,00                     | 792,00                               | ✓        |            |
| 110                          | 5,00   | 4               | 2,88                    | 40                | 28,80                     | 633,60                               |          | ✓          |
| 120                          | 5,45   | 4               | 2,88                    | 40                | 28,80                     | 633,60                               | ✓        |            |
| 140                          | 6,35   | 3               | 2,16                    | 36                | 25,92                     | 570,24                               | ✓        |            |
| 160                          | 7,25   | 3               | 2,16                    | 30                | 21,60                     | 475,20                               |          | ✓          |

\* Minimum order quantities and special conditions upon consultation

## TECHNICAL PROPERTIES

|  |  |
|--|--|
| <b>Declared thermal conductivity :</b><br>$\lambda_D$ according to EN 13165:2012+A2:2016 | 0,022 W/m.K  |
| <b>Compressive strength at 10% deformation :</b><br>CS(10/Y)150 according to EN 826      | $\geq 150$ kPa (1,5 kg/cm <sup>2</sup> )   |
| <b>Tensile strength perpendicular to the faces</b>                                       | TR80 $\geq 80$ kPa   |
| <b>Dimensional stability</b><br>48h, 70°C, 90%RH<br>48h, -20°C                           | DS(70,90)3: $\Delta\epsilon_{l,b} \leq 2$ / $\Delta\epsilon_d \leq 6$<br>DS(-20,-)1: $\Delta\epsilon_{l,b} \leq 1$ / $\Delta\epsilon_d \leq 2$ |
| <b>Deformation under compressive load and temperature conditions</b>                     | DLT(2) $\leq 5\%$  |
| <b>Density of the PIR foam</b>   | 32 kg/m <sup>3</sup> $\pm$ 3 kg/m <sup>3</sup>   |
| <b>Water vapour transmission resistance of the PIR foam : <math>\mu</math></b>           | 50-100   |
| <b>Reaction to fire class</b>  | D-s2, d0 according to EN 13501-1<br>B-s1, d0 (End-Use Eternit cladding, contact Unilin for the conditions of application)                      |
| <b>Long term water absorption</b>  | WL(T)2 according to EN 13165 < 2%  |



| Certificates |                               |
|--------------|-------------------------------|
| CE           | $\lambda$ 0,022 W/m.K         |
| DOP          | Utherm Wall A v2              |
| EPD          | B-EPD n° 21-0009-003-00-00-EN |