



## DESCRIPTION

EUROTHANE AL is an insulation board with a core of rigid polyurethane foam faced on both sides with a gold coloured kraft aluminium laminate.

## TECHNICAL FEATURES

- **Thermal conductivity  $\lambda_D$ -value** according to EN 12667:
  - for thicknesses  $\leq 60$  mm:  
**0,028 W/mK**
  - for thicknesses  $> 60$  mm:  
**0,025 W/mK**
- **Core volume weight**  
 $\pm 30 \text{ kg/m}^3$
- **Mechanical performance**
  - Compressive strength with 10% deformation: **CS(10/Y)120** according to EN 826:  
 $\geq 120 \text{ kPa}$  ( $1,2 \text{ kg/cm}^2$ )
  - Transformation under the influence of a load:  
**DLT(2)5** according to EN 1605  
 $40 \text{ kPa}$ , at  $70^\circ\text{C}$  during 168 hours:  
 $\leq 5\%$
- **Vapour diffusion resistance number  $\mu$  of the PUR foam: 50-100**
- **Facing**
  - thickness  $\leq 60\text{mm}$ : gold coloured kraft aluminium laminate with PE-finishing and alu layer with a thickness of  $9\mu$
  - thickness  $> 60\text{mm}$ : gold coloured kraft aluminium laminate with PE-finishing and double alu layer with a total thickness of  $14\mu$
- **Tensile strength perpendicular to surface**  
**TR80** according to EN1607:  
 $\geq 80 \text{ kPa}$
- **Long-term water absorption**  
**WL(T)2** according to EN 12087:  
 $< 2\%$

- **Fire behaviour**

- Euroclass F according to EN 13501-1

- **Dimensional stability**

- DS(TH)8** according to EN 1604
  - Humidity test 48-hours:  
 $70^\circ\text{C}$ , 90% RH
  - Change in length:  $\leq 2\%$
  - Change in width:  $\leq 2\%$
  - Change in thickness:  $\leq 6\%$

## DIMENSIONS

- Width: 1200 mm
- Length on request:  
possible up to max. 12 m
- Thicknesses: 30 mm  $\rightarrow$  120 mm

## APPLICATIONS

- Insulation of industrial and agricultural building
- Floor insulation of cold stores

## CERTIFICATES

ATG/H707  
ATG 1575  
ATG 2481



KEYMARK

001-BK-514-0004-0009-W001  
001-BK-514-0004-0012-W001

## STANDARDS

The production of these insulation boards is certified according to ISO 9001:2000



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