



## DÄMM FLACHS

flax insulation boards

<b>Description</b>	Dämm Flachs
<b>European Technical Assessment</b>	ETA – 15/0153
<b>Components</b>	82 – 86 % flax fibers, 11 – 13% bicomponent polyester binding fibres, 3 - 5% soda

### Basic Works Requirement 1: Mechanical resistance and stability

*not relevant*

### Basic Works Requirement 2: Safety in case of fire

**Reaction to fire** (DIN EN 13501-1) Class E

### Basic Works Requirement 3: Hygiene, health and environment

**Biological resistance** (growth of mould fungus)  
(Annex B of EAD 040005-00-1201, EN ISO 846) Level 1

### Basic Works Requirement 4: Safety and accessibility in use

*not relevant*

### Basic Works Requirement 5: Protection against noise

*not relevant*

### Basic Works Requirement 6: Energy economy and heat retention

**Thermal conductivity**  $\lambda_D, 23,50$  0,0387 [ W/m.K]

EN ISO 10456, Annex A of EAD 040005-00-1201)

$\lambda_D, 23,80$  for germany 0,041 [ W/m.K]

**Water vapour diffusion resistance**  $\leq 2.2$

(EN 12086)

**Water absorption** (EN 1609, method A)  $\leq 3 \text{ kg/m}^2$

### Geometry

- width (DIN EN 822)  $\pm 1.5 \%$  | T2 (according to EN 13171)
- thickness (DIN EN 823) No performance assessed
- length Note: According to EN 13171 there is no upper limit for length of mats

**Density** (EN 1602)  $32 \text{ kg/m}^3$  | tolerance:  $\pm 10\%$

**Dimensional stability under specified and humidity**  $\leq 3\%$

**Tensile strength parallel to faces** (EN 1608)  $\geq 10 \text{ kPa}$

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