



DÄMM FLACHS FLORA

flax insulation boards with plant based binding fibers

Description	Dämm Flachs FLORA
European Technical Assessment	ETA – 15/0153
Components	82 – 86 % flax fibers, 11 – 13% bicomponent biopolymeric 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) No performance assessed
(Annex B of EAD 040005-00-1201, EN ISO 846))

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 $\lambda_{D, 23,50}$ 0,0370 [W/m.K]

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

$\lambda_{D, 23,80}$ for germany 0,039 [W/m.K]

Water vapour diffusion resistance ≤ 2.9

(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 kg/m^3 | tolerance: $\pm 10\%$

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

Tensile strength parallel to faces (EN 1608) $\geq 15 \text{ kPa}$

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