

# Technical Data Sheet

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## DÄMMJUTE

Recycling JUTE insulation boards

<b>Description</b>	Dämmjute
<b>European Technical Assessment</b>	ETA 20/0606
<b>Components</b>	82 – 86 % jute fibers, 11 – 13% bicomponent polyester binding fibres, 3 - 5% soda
<b>Basic Works Requirement 1: Mechanical resistance and stability</b>	
<i>not relevant</i>	
<b>Basic Works Requirement 2: Safety in case of fire</b>	
<b>Reaction to fire</b> (DIN EN 13501-1 + A1)	Class E
<b>Basic Works Requirement 3: Hygiene, health and environment</b>	
<b>Biological resistance</b> (growth of mould fungus) <small>(Annex B of EAD 040005-00-1201, EN ISO 846))</small>	Level 0
<b>Basic Works Requirement 4: Safety and accessibility in use</b>	
<i>not relevant</i>	
<b>Basic Works Requirement 5: Protection against noise</b>	
<i>not relevant</i>	
<b>Basic Works Requirement 6: Energy economy and heat retention</b>	
<b>Thermal conductivity</b> $\lambda_D$ , 23,50 <small>EN ISO 10456, Annex A of EAD 040005-00-1201)</small>	0,0369 [ W/m.K]
$\lambda_D$ , 23,80 for germany	0,039 [ W/m.K]
<b>Water vapour diffusion resistance</b> <small>(EN 12086)</small>	$\leq 2.4$
<b>Water absorption</b> (EN 1609, method A)	$\leq 3 \text{ kg/m}^2$
<b>Geometry</b>	
- 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
<b>Density</b> (EN 1602)	$32 \text{ kg/m}^3$   tolerance: $\pm 15\%$
<b>Dimensional stability under specified and humidity</b>	$\leq 3\%$
<b>Tensile strength parallel to faces</b> (EN 1608)	$\geq 20 \text{ kPa}$

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