

# Reed construction panel by Conluto

## What is paludiculture?

Is the productive use of wet peatland sites - In particular, agricultural and forestry production on rewetted organic soils while preserving the peat deposits.

## Why Common Reed?

**Cultivation of Common Reed is a site-appropriate alternative on rewetted peatlands and has many advantages:**

- Maintenance of productive land
- Climate protection by conservation of the peat carbon stock
- Water protection by retention of nutrients
- Sustainable resource production
- Strengthening of regional added value
- Protection of species by creation and conservation of habitat structures



Picture: leloupgris



Picture: GMC



Picture: Conluto

## Reed as construction material

- good fire and acoustic protection and summer thermal insulation
- easy processability with all common tools
- comparatively open to diffusion and capillary-active
- low energy consumption during production

## Product properties

Resource	
Raw material harvest:	Mowing in winter
Yield:	5 – 20 t dry matter/ha/a
Area of application:	carrier panel for plaster, construction panel
Production	
Producer:	Conluto Ltd
Pilot- or serial production:	Serial production
Place of production:	Blomberg-Istrup, Germany
Product properties	
Material/Compound material:	Reed culms + galvanised steel wire
Dimensions:	100 x 200 x 20 or 50 mm
Thermal conductivity:	0,059 W/mK
Bulk density:	ca. 190-220 kg/m <sup>3</sup>
Recyclability :	fully recyclable & compostable
Carbon footprint:	+: low emissions during harvest and production -: emissions due to transport of raw material from harvest site to production site -: unknown emissions of the harvest site

Status: 1/2022

## Further information



paludiculture

<https://lmy.de/KGYpR>

the producer

<https://lmy.de/vx9rm>



the product

<https://lmy.de/OOx9>