

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

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



Picture: Conluto

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 ³
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://kurzelinks.de/0jnc>

the producer

<https://www.conluto.de/>



the product

<https://kurzelinks.de/diw6>