

Reed Construction panels by Egginger

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 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

Reed as construction material

- good fire and sound protection and summer thermal insulation
- easy processable with all common tools
- comparatively open to diffusion and capillary-active
- low energy consumption during production
- good returnability into the natural matter cycle

Product properties

Resource	
Reed cultivation:	Lake Balaton (Hungary)
Raw material harvest:	Mowing in winter
Yield:	5 – 20 t/ha/a
Area of application:	Construction panel for thermal and sound insulation, plaster base panel
Production	
Producer:	Egginger Naturbaustoffe Ltd
Pilot or serial production:	Serial production
Place of production:	Malching, Germany
Product properties	
Material/Compound material:	Reed culms + galvanised steel wire
Dimensions:	1500 x 1000 x 50 oder 20 mm
Thermal conductivity:	0,055 W/mK
Allergy compatibility:	good
Resistance against mould:	good
Recyclability:	fully recyclable & compostable
Price:	2 €/m ² - 14,50 €/m ²
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



Picture: lelougris



Picture: GMC



Picture: Egginger

Further information



paludiculture

<https://lmy.de/KGYpR>



the producer

<https://lmy.de/A9o9f>



the product

<https://lmy.de/EG2g7>