

# Reed Board by Claytec

## 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 habitats

## 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



Picture: lelougris



Picture: GMC



Picture: Claytec

## Product properties

<b>Resource</b>	
Area of application:	Interior insulation and constructions
<b>Production</b>	
Producer:	Claytec GmbH & Co. KG
Pilot oder serial product:	Serial production
Place of production:	Viersen; Egel, Germany
<b>Product properties</b>	
Material/Compound material:	Reed culms + galvanised steel wire
Dimensions:	100x200x2 cm; 100x200x5 cm
Thermal conductivity:	ca. 0,065 W/mK
Spec. thermal conductivity:	>1500 J/kgK
Bulk density:	145 kg/m <sup>3</sup>
Recyclability:	fully recyclable & compostable
Price:	11,25€ or 18,55€
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/Pf6uj>



the product

<https://lmy.de/7Qh49>