

# Cattail insulation board by Naporo

## 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 Cattail?

**Cultivation of Cattail (*Typha latifolia* or *T. angustifolia*) 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 & conservation of habitats

## Cattail as insulation material

- good fire and sound protection and summer thermal insulation
- easy processability 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	
Raw material harvest:	Mowing in winter
Yield:	5 – 20 t/ha/a
Area of application:	Interior insulation, roof and footfall sound insulation
Production	
Producer:	Naporo Klima Dämmstoff Ltd
Place of production:	Braunau am Inn, Austria
Product properties	
Material/Compound material:	Aerenchymic plant tissue of Cattail + Polylactic acid (PLA)
Construction material class:	B2
Dimensions:	570 x 1220 x 40/60/80/100/120/160 mm
Thermal conductivity:	0,040 W/mK
Fire protection:	E
Vapour diffusion:	4
Recyclability :	recyclable & biodegradable

Status: 1/2022

## Comment on the product

The presented product is currently not produced. There is a lack of raw material at viable transport distance caused by a scarcity of and obstacles in the agricultural subsidy policy for cattail cultivation.



Picture: Kjetil Lenes



Picture: 3N Kompetenzzentrum e.V.



Picture: Naporo

## Further information



paludiculture  
<https://lmy.de/KGYpR>



material characteristics  
<https://lmy.de/oXnd1>

