Acoustic Panel 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.

Picture: Kjetil Lenes

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 and conservation of habitat

Cattail as insulation material

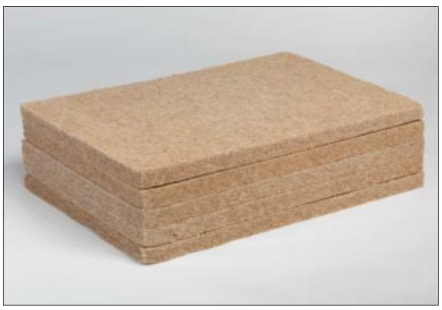
Picture: 3N Kompetenzzentrum

- 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
- good returnability into the natural matter cycle

Product properties

Resource	
Raw material harvest:	Mowing in winter
Area of application:	Sound absorption, insulation
Production	
Producer:	Naporo Klima Dämmstoff Ltd
Place of production:	Braunau am Inn, Austria
Product properties	
Material/Compound material:	Cattail chaff + Polylactic acid (PLA) + ammonium salt
Construction material class:	B2
Dimensions:	625 x 1200 x 20/40/50/60/80/100 mm
Thermal conductivity:	0,040 W/mK
Fire protection:	E – ammonium salt as fire protection agent
Vapour diffusion:	1
Recyclability :	recyclable & biodegradable
Density:	100 kg/m^3
Sound absorption coefficient:	1 αw - full absorption
Carbon Footprint:	low emissions during harvest and production

Status: 1/2022



Picture: Naporo

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.

Further information

paludiculture
https://lmy.de/KGYpR

material characteristics
https://lmy.de/oXnd1