Reed construction panel from Hiss

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 & conservation of habitat structures

Reed 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

Picture: leloupgris

Picture: GMC

Picture: Hiss Reet

Product properties

Resource	
Reed cultivation:	Turkey
Raw material harvest:	Mowing in winter
Area of application:	Interior and exterior insulation, roof and impact sound insulation
Production	
Producer:	Hiss Reet Schilfrohrhandel Ltd
Pilot or serial production:	Serial production
Place of production:	Bad Oldesloe, Germany
Product properties	
Material/Compound material:	Reed culms + stainless steel/zinc wire
Dimensions:	200 x 100 x 2 up to 12 cm
Thermal conductivity:	0,061 W/mK
Fire protection class:	B2 – normal inflammability
Diffusion resistance:	2
Pressure resistance:	750 N/cm^2
Bulk density:	ca. 155 kg/m^3
Allergy compatibility:	allergy-friendly
Resistance against mould:	good
Recyclability:	fully recyclable & compostable
Price:	12,45 €/m^2 – 55,90 €/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

Further information

paludiculture
https://lmy.de/KGYpR

the producer
https://lmy.de/RadEb

the product
https://lmy.de/0subo

Status: 1/2022