

# AgriCell<sup>BW</sup>



## NATURE'S INSULATOR

- modern, timeless, innovative grass fibre insulation
- renewable raw material of 100% natural cellulose
- CO<sub>2</sub> neutral and biodegradable
- breathable, with excellent shape retention
- first-rate thermal insulation performance, pleasant temperature
- protection against summer heat
- fire protection category B2, DIBt-approved
- blown-in or blown-on installation
- insulation for walls, floors and ceilings
- can be retrofitted to older buildings

## INSTALLED BY SPECIALISTS



Roofing: our insulation is blown into the existing structure



Blown-on process for open, horizontal structures



The AgriCell insulation team on the job



**BIOBERT**  
bio based industry

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## FOR BLOWN-IN INSULATION

PROPERTIES	TECHNICAL SPECIFICATIONS	EXPLANATIONS
Bulk density (depending on structural conditions)	35 – 50 kg 40 – 65 kg	· exposed · space-filling
Thermal conductivity (design value)	0,042 W/(m.K)	DIN 52612
Specific heat capacity c	2196 J/(kg.K)	SIA 381/1
Building material category	B2 normal combustibility	DIN 4102
Fire index CH	BKZ 4,3	VKF Fire Protection Register BZu.- Nr. 17648
Water vapour diffusion resistance factor $\mu$	1 – 2	
Moisture absorption	14 %	DIN 52620
Normal humidity	Approx. 8 %	
Sound absorption	80 – 95 % at frequencies between 800 and 2200 Hz	Testing in the impedance tube
Air permeability	4 m <sup>3</sup> /(m <sup>2</sup> .h) at 50 Pa	Measured between unglued building board at a thickness of 16 cm and 75 kg/m <sup>3</sup>
Resistance to mould and mildew	No mould formation	DIN IEC 2
Approved in structures without chemical wood preservation		
Raw material	Cellulose fibres obtained from grass	
Additives	Borax/boric acid 4%	Fire protection
Waste disposal	Material is not inseparably attached to the component	· compostable/recyclable · reusable · landfill
Approval	Appr. no. Z - 23.11 - 1628	DIBt approval
Quality monitoring	MPA North Rhine Westphalia	CE mark
Installation	Only by licensed specialists	
Delivery form	10 kg PE bags	Packaging: waste disposal carried out by Interseroh AG's construction industry solution

**DIRECT SALES AND FURTHER INFORMATION: [WWW.BIOWERT.DE](http://WWW.BIOWERT.DE)**



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