

TECHNICAL DATA:

Technical approval	EU	European Technical Approval ETA-05/0226
	D	German technical approval Z-23.11-280
Composition		Newspaper fibres ≥ 90 %, light metal salts, boric acid as flame retardant
Application		Thermal and acoustic cellulose fibre insulation for mechanical installations in wet or dry processes
Wood preservation	D	Applicable in all constructions according to DIN 68800-2
Notified Certification Body	CH	EMPA
	D	MPA NRW
Thermal conductivity λ	EU	0,038 W/(m · K) at 30–60 kg/m ³ Declared value λ _D according to ETA-05/0226
	CH	0,038 W/(m · K) at 30–60 kg/m ³ SIA
	D	0,040 W/(m · K) at 30–60 kg/m ³ Rated value
Density ¹⁾		30–40 kg/m ³ open-blown, < 10°
		40–60 kg/m ³ cavity-filling (ceiling, roof)
		45–60 kg/m ³ wall
		30–50 kg/m ³ spray on
Specific heat capacity c		2150 J/(kg · K)
Reaction to fire	EU	B-s2,d0 / E according to DIN EN 13501-1 and ETA-05/0226
	CH	BKZ 5.3 in accordance with VKF Fire behaviour group RF 2
	D	E according to DIN EN 13501-1 corresponds to B2, DIN 4102
Water vapour diffusion resistance μ		1 – 2
Resistance to mould growth		No development according to ISO 846
Airflow resistance r		≥ 5 kPa · s/m ² at 30 kg/m ³ 18,5 kPa · s/m ² at 40 kg/m ³ according to DIN EN 29053
Normal moisture		Approx. 8 % at 23 °C and 50 % rel. humidity
Greenhouse gas emissions ²⁾		0,204 kg CO ₂ -eq/kg
Primary energy expenditure ²⁾	non-renewable	2,86 MJ/kg
	total	3,70 MJ/kg
Environmental impact points ²⁾		350 UBP/kg
Recycling		Separated and dry insulating material can be reemployed
Packaging		350 kg big bales, 12.5 kg sacks, palletised

¹⁾ The density selected on the build depends on the design requirements. The manufacturer provides specialist installers with information for a compacting that is free of settlement.

²⁾ In relation to production, additives, transport and disposal. Further information is also available in the KBOB recommendation 2014 or at www.eco-bau.ch or www.baubook.at



The benefits to you:

- Outstanding performance for protection against heat, cold and sound
- Hygroscopic and moisture regulative
- Tested fire safety
- Perfect fit for every thickness and shape with only one material
- Excellent profitability
- Lowest production-energy consumption of all industrially-produced insulation materials
- High-quality installer training

We shall be happy to answer any questions you might have:

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