



- Multi format insulation for cavities - free of joints and waste
- due to three-dimensional interlocking of the wood fibres)
- Suitable for construction site assembly and element production
- Supports a healthy indoor climate - independently tested by IBR
- From responsible forestry, PEFC-certified
- Made from natural wood fiber without questionable additives - stores up to 63 kg CO₂/m³

Application area



- Air injected insulation material for closed and open cavities of roofs, walls, and ceilings

Technical data

European technical approval (ETA)	12/0011
Fire class (RTF) according to EN 13501-1	E
Fire classification by ITB technical laboratory (EN13501-1+A1:2010)	B-s2,d0 (test certificates 01963/17/Z00NZP)
Declared thermal conductivity [W/(m*K)]	0.038
Density [kg/m ³]	Open blown: attic floor: approx. 32 /Closed cavities: roof, ceiling, wall: approx. 35 - 45
Water vapour diffusion resistance factor μ	1/2
Specific heat capacity [J/(kg*K)]	2,100
Ingredients	wood fibres, fire retardants
European Waste Code (EWC)	170604/170904
Declared level of airflow resistance [(kPa*s)/m ²]	>5 (n.DIN EN 29053 30 kg/m ³)
Bonded carbon [kg CO ₂ equivalent./m ³]	approx. 63

Forms of delivery

Delivery in handy bags

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]
21	15.0	335

Delivery in bales without individual wrapping / big bales (industrial packaging)

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]
18	270.0	290

Weight and packing

Delivery in handy bags

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	pac./pal. wood (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. paper/cardboard (approx) [kg]
21	15.0	335	12.6	4.0	0.05

Delivery in bales without individual wrapping / big bales (industrial packaging)

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	pac./pal. wood (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. paper/cardboard (approx) [kg]
18	270.0	290	16.5	1.1	0.05

Compaction density table for ETA-12/0011

Component insulation thickness [cm]	up to 16	17-22	23-28	29-34	35-40
	Minimum bulk density [kg/m ³]				
Blown freely onto ceiling + 15 % insulation cover	32	32	32	32	32
Blown into intermediate floor					
Blown into suspended ceiling					
Blown into top floor ceiling					
Blown into roof up to 20° pitch	35	35	35	35	35
Blown into roof of 20-60° pitch					
Blown into roof over 60° pitch					
Blown into walls					

Notes

Storage

- Store in a dry and UV-protected place
- Do not remove the transport packaging until the pallet is on a firm, level surface.
- Store pallets without additional load

Disposal

- EAK/AVV 170604 (unmixed insulation material) / 170904 (mixed construction and demolition waste)

Installation

- STEICOzell is installed exclusively by trained partners and licensed companies (in accordance with European Technical Approval).
- The insulation material is applied using specialised air-injection blowing machines

Occupational health and safety

- Dust may be generated during the installation of the insulation material therefore wearing a dust mask is recommended.

Building moisture

- Excess moisture caused by e.g. fresh screed, plaster, or paint must be removed by ventilation
- Dry air must be provided inside the building during the construction phase.
- Additional measures, such as the installation of drying equipment during the construction phase, are recommended

Installation

- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.
- The following applies when calculating the thermal resistance of components when openly inflated: installation thickness = nominal thickness + 15 %.
- Under <http://www.steico.com/technical-installation> or the enclosed QR code, you will find the Installation instructions for this product under the category „Processing instructions STEICO sarking / insulation boards and insulation“. (STEICO air injected insulation handling instructions)



Certificates and quality management



☰ Caption

other abbreviations

- pal.** Pallet
- T&G** Tongue and Groove
- pac.** Packaging
- approx.** Approximately
- SE** square edge
- Pcs.** Pieces