



- 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

Fields of application according to DIN 4108 - 10: 2021

- DZ
- WH
- WTR

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

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

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	35	35	35	35	35
Blown into suspended ceiling					
Blown into top floor ceiling					
Blown into roof up to 20° pitch					
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

Fields of application

Ceiling, Roof

DZ Insulation between rafters, insulation of wooden ceilings, insulation of upper floor slabs

Wall

WH nfilling insulation of walls in wooden framework and timber frame constructions

WTR Insulation of partition walls

other abbreviations

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