



- Multi format insulation for cavities - free of joints and waste
- Particularly economical due to fast processing thanks to high material throughput during the blowing process
- Optimized for processing with the most common blowing machines
- High level of safety - cellulose has been a proven insulation material for decades
- Exclusive use of specially defined types of waste paper in accordance with the FSC Recycled standard
- Particularly low energy consumption in production

### Application area



- Air injected insulation material for closed and open cavities of roofs, walls, and ceilings. Made from recycled newspaper

### Technical data

European technical approval (ETA)	16/0141
Fire class (RTF) according to EN 13501-1	E
Fire classification by ITB technical laboratory (EN13501-1+A1:2010)	B-s2,d0 (certificates 01963/17/Z00NZIP; 02039/18/Z00NZIP) (EN13501-1+A1:2010)
Declared thermal conductivity [W/(m*K)]	0.038
Density [kg/m <sup>3</sup> ]	Open blown: attic floor: approx. 30-34 /Closed cavities: roof, ceiling, wall: approx. 38 - 57
Water vapour diffusion resistance factor $\mu$	1/2
Specific heat capacity [J/(kg*K)]	2,100
Ingredients	cellulose, Fire retardants
European Waste Code (EWC)	170604/170904
Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ]	(30 kg/m <sup>3</sup> ) 6.2 und (45 kg/m <sup>3</sup> ) 18.4
Bonded carbon [kg CO <sub>2</sub> equivalent./m <sup>3</sup> ]	approx. 61

### Forms of delivery

#### Delivery in handy bags

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Variant
21	15.0	340	standard
21	15.0	340	free of boric salt

#### Delivery in bales without individual wrapping/large bales (industrial packaging)

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Variant
1	350.0	380	standard
1	350.0	380	free of boric salt

### Weight and packing

#### Delivery in handy bags

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Variant	pac./pal. wood (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. paper/ cardboard (approx) [kg]
21	15.0	340	standard	16.5	3.9	0.05
21	15.0	340	free of boric salt	16.5	4.5	0.05

#### Delivery in bales without individual wrapping/large bales (industrial packaging)

Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Variant	pac./pal. wood (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. paper/ cardboard (approx) [kg]
1	350.0	380	standard	22.9	3.0	0.05
1	350.0	380	free of boric salt	22.9	3.0	0.05

### Compaction density table for ETA-16/0141

Component insulation thickness [cm]	up to 16	17-22	23-28	29-34	35-40
	Minimum bulk density [kg/m <sup>3</sup> ]				
Blown freely onto ceiling +10% insulation cover	30	32	34	34	34
Blown into intermediate floor	38	40	43	44	48
Blown into suspended ceiling					
Blown into top floor ceiling					
Blown into roof up to 20° pitch	43	45	47	49	51
Blown into roof of 20-60° pitch					
Blown into roof over 60° pitch	47	50	52	55	57
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

- STEICO*floc* is for Installation 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 e.g. the installation of drying equipment 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 + 10 %.
- 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

☑ state 11/2024 ⓘ The current edition applies. Errors excepted ☰ Caption see last page