technical data sheet

STEICO timberfloc

Air-injected insulation from wood fibres and cellulose

- Multi format inslation for cavities - free of joints and waste
- Particularly economical due to optimized material requirements (lower raw densities due to three-dimensional interlocking of the wood fibres)
- Quick and easy processing with the most common blowing machines thanks to cellulose content
- Independent product monitoring by German Materials Testing Institute
- Wood fibre content from responsible forestry, PEFC-certified
- Optimised resource efficiency thanks to the proportion of cellulose fibres from cardboard packaging

Application area

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

Technical data

European technical approval (ETA)	23/0465
Fire class (RTF) according to EN 13501-1	E
Declared thermal conductivity [W/(m*K)]	0.039
Density [kg/m³]	Open blown: attic floor: approx. 32 / Closed cavities: roof, ceiling, wall: approx. 42 - 60
Water vapour diffusion resistance factor μ	2/3
Specific heat capacity [J/(kg*K)]	2,100
Ingredients	Wood fibres, cellulose, fire retardants
European Waste Code (EWC)	170604/170904
Declared level of airflow resistance [(kPa*s)/m²]	(≥45kg/m³)= 8; (<45 kg/m³ - ≥35 kg/m³)=5; (<35 kg/m³ - ≥32kg/m³)=4
Bonded carbon [kg CO_2 equivalent./m³]	approx. 51

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

STEICO timberfloc

Air-injected insulation from wood fibres and cellulose

Compaction density table for ETA-23/0465

Component insulation thickness [cm]	up to 16	17-22	23-28	29-34	35-40
	Minimum bulk density [kg/m³]				
Blown freely onto ceiling +7 % insulation cover	32	32	32	32	32
Blown into intermediate floor	42	42	42	42	42
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

- STEICOtimberfloc 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 + 7 %.
- 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)

STEICO timberfloc

Air-injected insulation from wood fibres and cellulose

Certificates and quality management

Caption

other abbreviations

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