STEICO
engineered by nature

Instructions

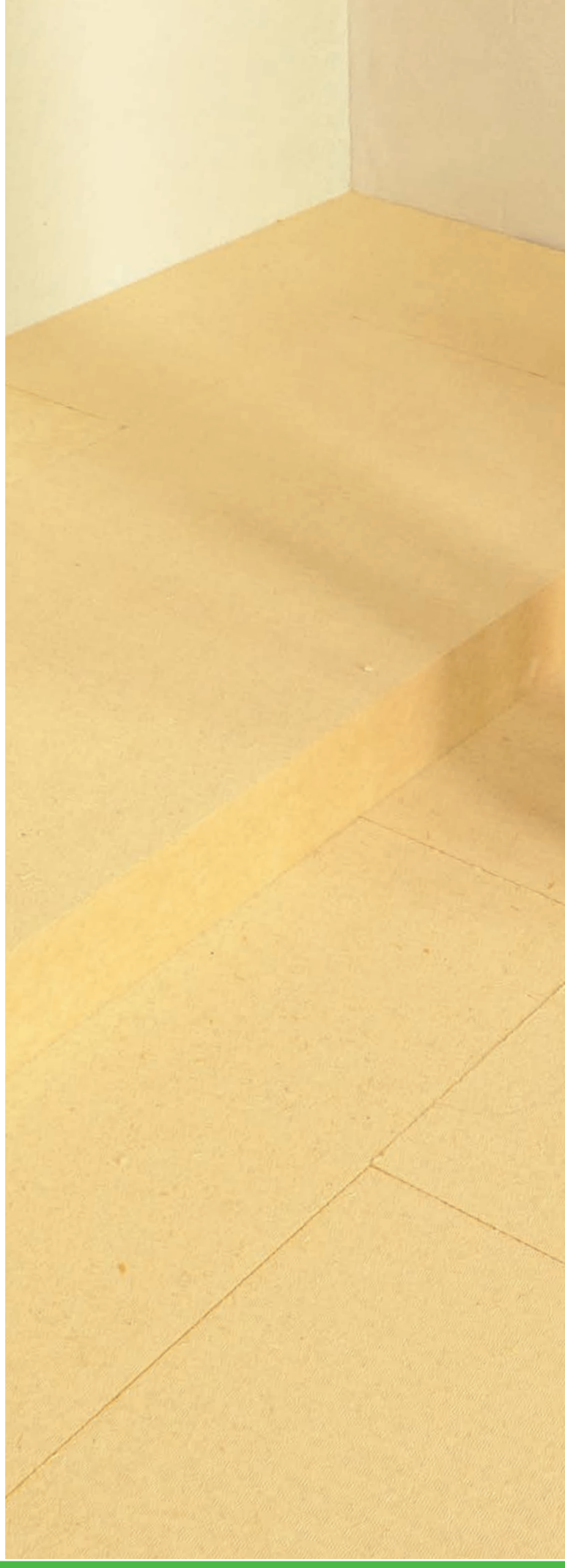
STEICO*top*



The wood fibre insulation system
for the top floor ceiling

STEICO *top*

Wood fibre insulation board for attic floors



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STEICO*top*: The wood fibre insulation system for the top floor ceiling

System advantages

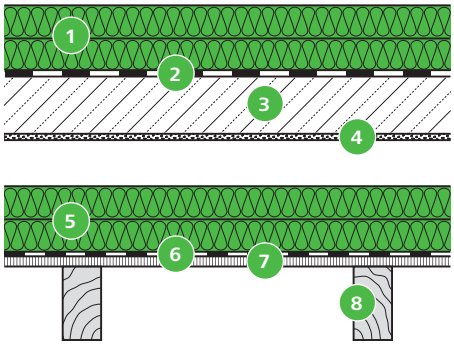
- Extremely simple and quick insulation measure
- Excellent price-performance ratio and cost-benefit ratio
- Insulation boards can be walked on immediately after installation – no covering or other measures required
- STEICO wood fibre insulation materials are particularly diffusion-open and contribute to a safe construction.

Areas of application

- Energy-efficient modernisation of uninsulated, sporadically used attic spaces by insulating the top floor ceiling

System structure

STEICO*top* is suitable for use in standard constructions with flat substrates such as concrete ceilings or wooden beam ceilings.



Concrete ceiling structure

1 STEICO*top*
2 PE film (always in new buildings, optional in old buildings)
3 Concrete raw ceiling
4 Ceiling plaster

Wooden beam ceiling construction

5 STEICO*top*
6 STEICO*multi cover 5* vapour barrier
7 Wooden formwork
8 Wooden beams

STEICO*top* is directly accessible. Only areas where heavy objects are to be stored or paths that are frequently walked on should be covered (e.g. with boards, wood-based panels or similar).

Formats

Thanks to its handy format and low weight, STEICO*top* can be easily transported to the attic even in houses with narrow corridors, staircases and roof hatches, where it can be easily processed and quickly laid.

Note: Thicknesses, formats and cover dimensions can be found in the technical data sheet for the product.

Storage

- Store flat, level and dry
- Max. stacking height: 3 pallets
- If stored outdoors: additional weather protection recommended
- Protect edges from damage
- Only remove packaging film in a dry environment
- Keep pallet inserts for construction site documentation

Preparation

The existing floor slab must be load-bearing, clean, level, airtight and sufficiently vapour-resistant.

Concrete ceilings

Concrete ceilings in old buildings do not contain any residual moisture and, provided they do not have any cracks or penetrations, are generally sufficiently airtight and vapour-resistant so that installation can begin immediately.

However, if there is a risk of rising damp, a separating layer of standard PE film is sufficient to protect the insulation adequately against excessive moisture.

Wooden beam ceilings and other constructions

Wooden beam ceilings are usually more diffusion-open (moisture-permeable) and not sufficiently airtight. Therefore, they may require additional measures to limit moisture penetration.

Additional measures

If you are unsure about the substrate or if there are cracks (concrete ceiling) or other leaks, we recommend creating an additional airtight and vapour-retarding layer. This can be done simply by laying a suitable vapour barrier such as STEICO*multi cover 5*, which is professionally connected.

Penetrations such as pipes or cables must be checked for airtightness and, if necessary, sealed with adhesive tape such as STEICO*multi tape F* or a permanently elastic sealant such as STEICO*multi connect*.

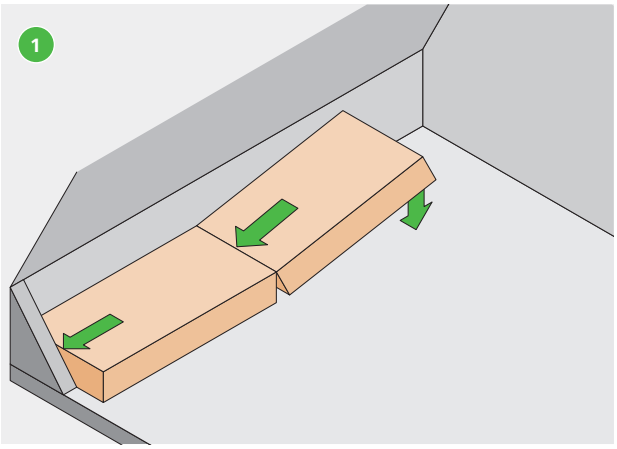
Openings and fixtures

All openings and fixtures located in the insulated area (such as doors, stairwells, roof hatches with pull-down stairs) should have a similar insulation quality, be airtight themselves and be connected in an airtight manner.

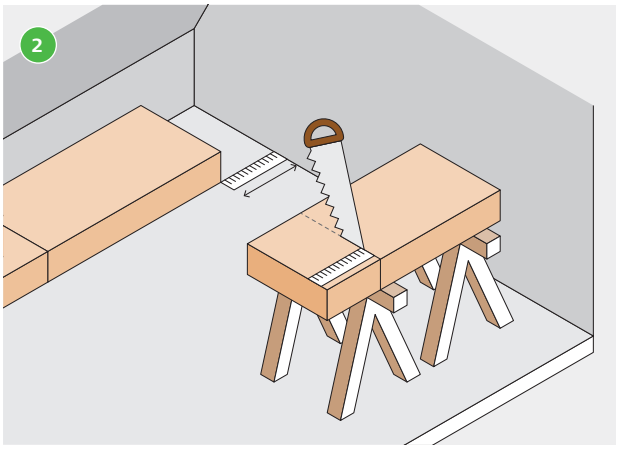
Ventilation

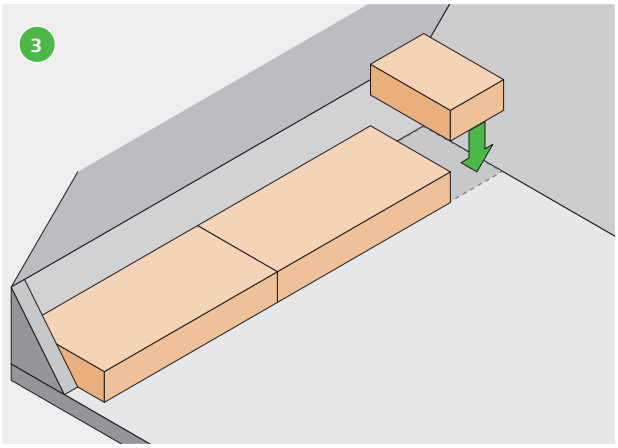
The roof space itself must be ventilated and must be ventilated to ensure that any moisture that occurs can dry out.

Installation

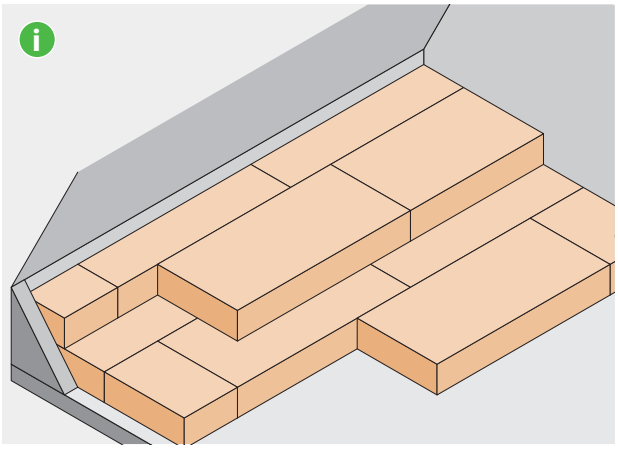


Start in one corner of the attic with the first row. The insulation boards are only laid, not glued or mechanically fastened. To avoid cavities, the individual insulation boards are carefully butted together.



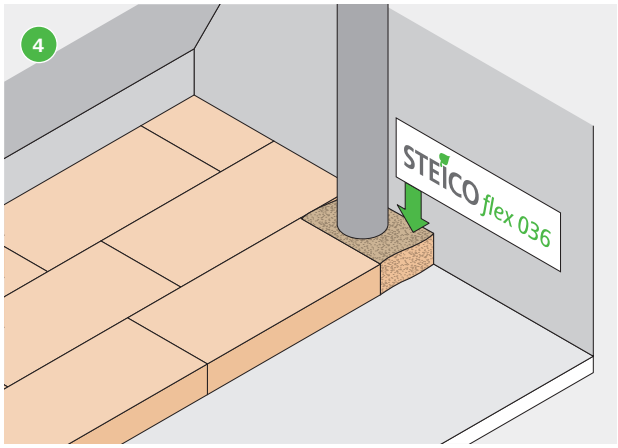


Cut the end piece to size (see p. 6 for tools) and then fit it in place. Leftover pieces can be used as the start of the next row of panels.



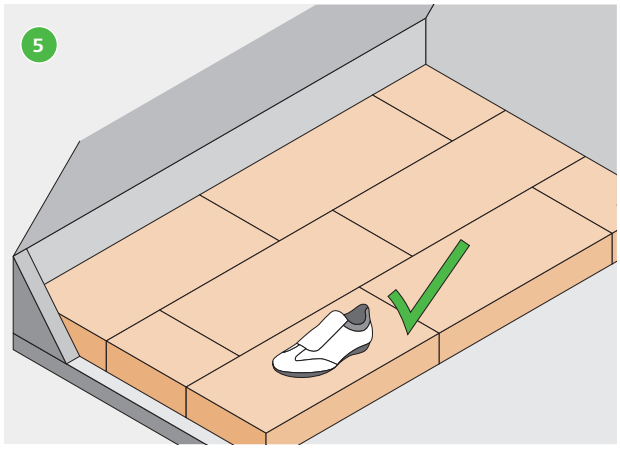
For the subsequent rows, avoid continuous joints, i.e. lay the boards in a staggered pattern. The offset should not be less than one third of the board width.

When laying multiple layers, continuous joints should be avoided. We recommend starting the insulation boards of the second layer with half the board width.



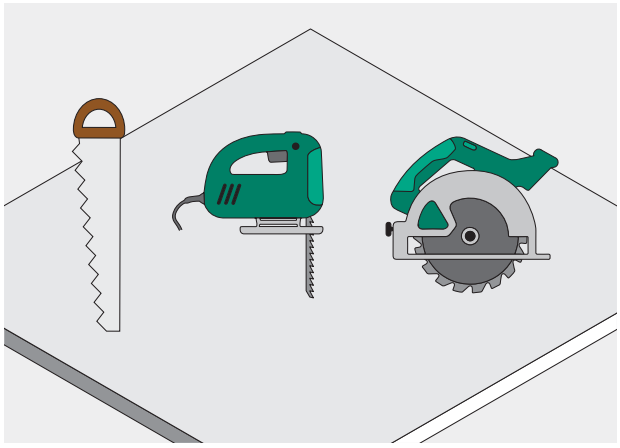
If STEICO*top* has to be connected to penetrations or other „interfering" components, we recommend using the flexible wood fibre insulation mat STEICO*flex 036* as a fitting piece or as stuffing wool.

Note: Wood fibre insulation materials must not be installed near fireplaces or other exhaust openings (e.g. heaters). Local fire safety regulations must be observed. If it is necessary to work on the insulated surface, it is advisable to use a local cover (e.g. a thin hardboard panel) to protect the insulation board surfaces from damage, which can be moved along as the work progresses.



STEICO*top* is laid over the entire surface of the floor slab and can usually be walked on immediately without any further measures.

Tools



STEICO*top* can be processed using standard tools: hand saws or hand-held machines such as a jigsaw or circular saw. As with all machining work, extraction is recommended. When using hand-held machines, guide rails make the work noticeably easier.

A standard jigsaw with a serrated blade (Mafell I2 or Bosch T 1013 AWP) is suitable for cut-outs and curves.

To cut the flexible wood fibre insulation mat STEICO*flex 036*, we recommend using a serrated handsaw (Bahco ProfCut PC-22-INS) or an electric handsaw with counter-rotating serrated blades.

Occupational safety

Please observe the applicable occupational safety regulations.

Use

The roof space can be accessed and used immediately after laying STEICO*top*.

The roof space can be walked on and used without further covering the STEICO*top* (chimney sweep, storage of suitcases, etc.).

If heavy objects are to be stored or shelves are to be set up for storage, load-distributing wood-based panels (e.g. chipboard, OSB) are recommended.

If a path is used frequently, a narrow „walkway“ made of boards or wood-based panels (e.g. chipboard) is recommended.

The covered area should be kept as small as possible in order to maintain high diffusion openness.

Disposal

Waste cuttings

Waste code acc. to 2014/955/EU: 03 01 05

Dismantling

Waste code acc. to 2014/955/EU: 17 02 01

STEICO
SOCIETAS EUROPAEA

Responsible for content

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The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. National applicable regulations have not been considered. Before using our products, please verify that the applicable national regulations for the specific area of use are followed.

Version: 1
Date: 2026-03-16

The currently valid version can be found at:
steico.com/hi_top_eur_en