

STEICO*flex 036*

Flexible wood fibre insulation batt
for cavity insulation



$\lambda_D = 0.036$

Top level
bio-based
insulation

STEICO*flex* 036: Flexible thermal insulation made of wood fibres



Truly effective:
 $\lambda_D = 0.036$ – Top level
bio-based insulation

The lower the thermal conductivity - called the λ value (lambda value) - the better a building material insulates.

With a λ_D value of 0.036, the flexible thermal insulation STEICO*flex* 036 achieves top insulation performance among bio-based insulation materials. This stands for maximum energy and CO₂ savings.

STEICOflex 036 turns buildings into large CO₂ sinks



Large quantities of CO₂ are stored in wood fibres. This is because trees 'breathe in' CO₂, form their wood from carbon (C) and 'breathe out' oxygen (O₂).



Per cubic metre, the STEICOflex 036 wood fibre insulation batts stores up to **73 kg CO₂**.

STEICOflex 036 stores up to 73 kg of CO₂ per cubic metre, which is very noticeable in the CO₂ balance of a building. A kind of 'CO₂ credit' is built up. The thicker the insulation, the greater it is. Thick insulation also sustainably reduces the heating energy requirement and thus saves CO₂ emissions in the long term.



STEICO wood fibre insulation materials are breathable, which means open to diffusion

Diffusion permeability for more safety

STEICO*flex* 036 is 'breathable', i.e. vapour-permeable. What's more, if moisture penetrates into the insulation layer, the fibres can absorb and distribute it, helping it to dry out quickly through evaporation. The construction remains dry - the best protection against mould and structural damage. An important factor for a long building life.



Wood fibres - secure building physics thanks to natural moisture management



Excellent heat protection in summer

STEICO wood fibre insulation materials act like a buffer in summer: the heat of the day is stored in the insulation material for hours. This means that a large proportion of the heat does not reach the interior rooms at all. In the cooler night hours, it can be dissipated outside again.

Slows down the heat during the day and then releases it outside again at night.



Due to their unique combination of low thermal conductivity and high bulk density (mass), STEICO wood fibre insulation materials hold a leading position in summer heat protection.



High raw density =
effective heat protection



STEICO wood fibre insulation materials are particularly effective at sound insulation

Truly quiet: because the right insulation can also do noise protection

The unique combination of high bulk density and special fibre structure makes STEICO wood fibre insulation particularly effective at insulating against noise.

This is especially important for bedrooms under the roof, because even pattering rain can create a high noise level and prevent restful sleep.



Properties that are insulated using bio-based building materials are usually worth significantly more to buyers.

Insulate naturally – increase value

Protection against cold and heat and a healthy indoor climate provide noticeable added value for the residents of the house. However, bio-based insulation can also make an important contribution to increasing the value of your property. When selling at a later date, buyers are usually willing to pay more for houses that have been insulated with bio-based building materials.

Truly sustainable: fresh, untreated pinewood

Only fresh softwood is used for STEICO wood-fibre insulation materials. The wood is sourced from sustainably managed, PEFC-certified forests in the vicinity of STEICO's production plants.



Truly healthy homes: natural indoor climate

STEICO wood-fibre insulation materials do not contain any additives of concern and support a healthy indoor climate. This has been continuously confirmed by tests conducted by the independent Institute for Building Biology (IBR).



The Institute for Building Biology Rosenheim (IBR) is one of the leading German testing institutes for building products.

Excellent clamping strength and easy to use

Particularly suitable for clamping, dimensionally stable and convenient to work with

The high quality of STEICO*flex* 036 is already apparent during processing. The wood fibre insulation mats adhere securely in the compartments and remain dimensionally stable over the long term.



Easy to handle and process



Particularly skin-friendly



Because it contains no harmful ingredients, STEICO*flex* 036 is also particularly skin-friendly.

STEICOflex 036 is the flexible cavity insulation for roof, wall and ceiling constructions. The insulation mat is particularly easy to work with.



STEICOflex 036 is available in the appropriate dimensions for the most common insulation projects



STEICOflex 036 for interior insulation and for service voids



The STEICOflex 038 variant is available especially for partition walls – with customised thicknesses and formats.



Because it offers top insulation
performance at among
natural insulation materials.



Because it contributes to summer
heat protection.



Because it is vapour permeable
and thus makes the construction
more robust.

STEICOflex

**Supports a healthy indoor
climate – independently tested
and recommended.**





Engineered by nature

Wood fibre insulation and
timber construction products
for renovation and construction

Since our founding in 1986, we are developing building products made of wood that bring people and nature into harmony. The wood we use comes from sustainable, PEFC-certified forestry.

STEICO wood fibre insulation reduces energy consumption and make a significant contribution to a healthy living environment – sustainably, of course.

STEICO
engineered by nature

Your STEICO partner

