



thermapor
massiv
your house breathes naturally

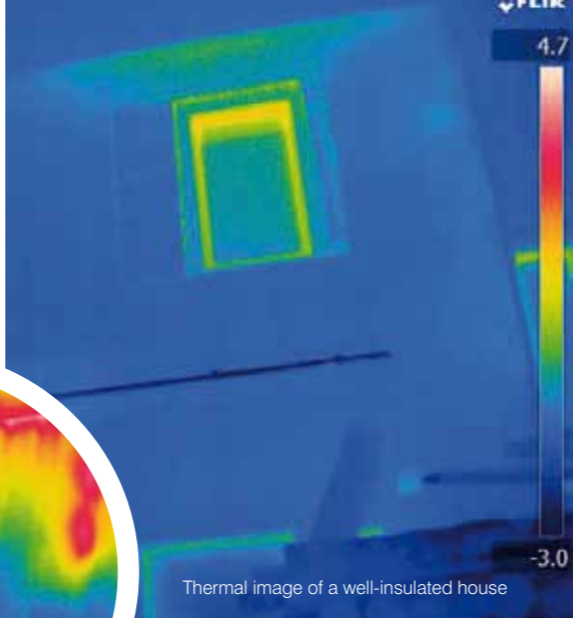
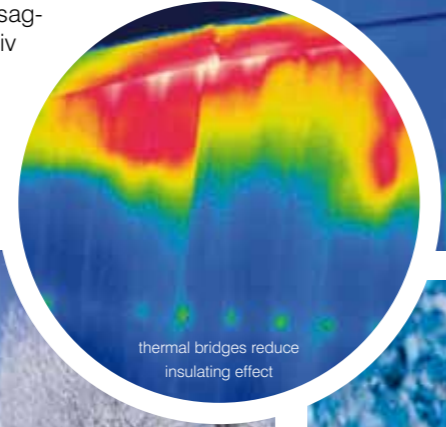


and your
house
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naturally

stable shape

the thermal insulation for generations!

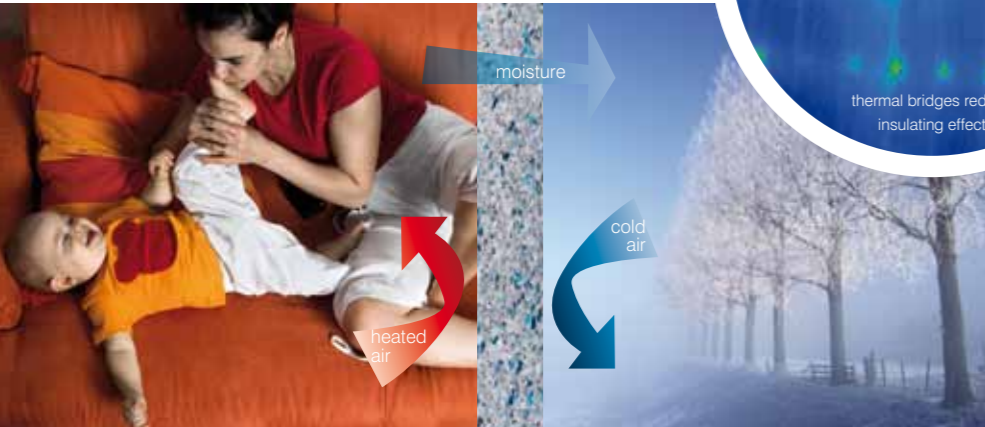
Conventional insulation materials often sag when used with wooden constructions. A decrease in thermal insulation properties is the result, which can practically hardly ever be remedied. Thanks to the unique structure of thermapor massiv, however, its shape remains stable for decades without sagging and eliminates thermal bridges completely. thermapor massiv - thermal insulation for generations!



massively better living space

walls retain heat 8 times better

A cosy and comfortable feeling inside the house not only depends on insulation properties; thermal retention value is also important. The more massive the insulation, the longer the house stays pleasantly cool in summer and cosily warm in winter. Due to its high specific weight and excellent thermal retention value, thermapor massiv performs 8x better than conventional insulation materials such as mineral wool.

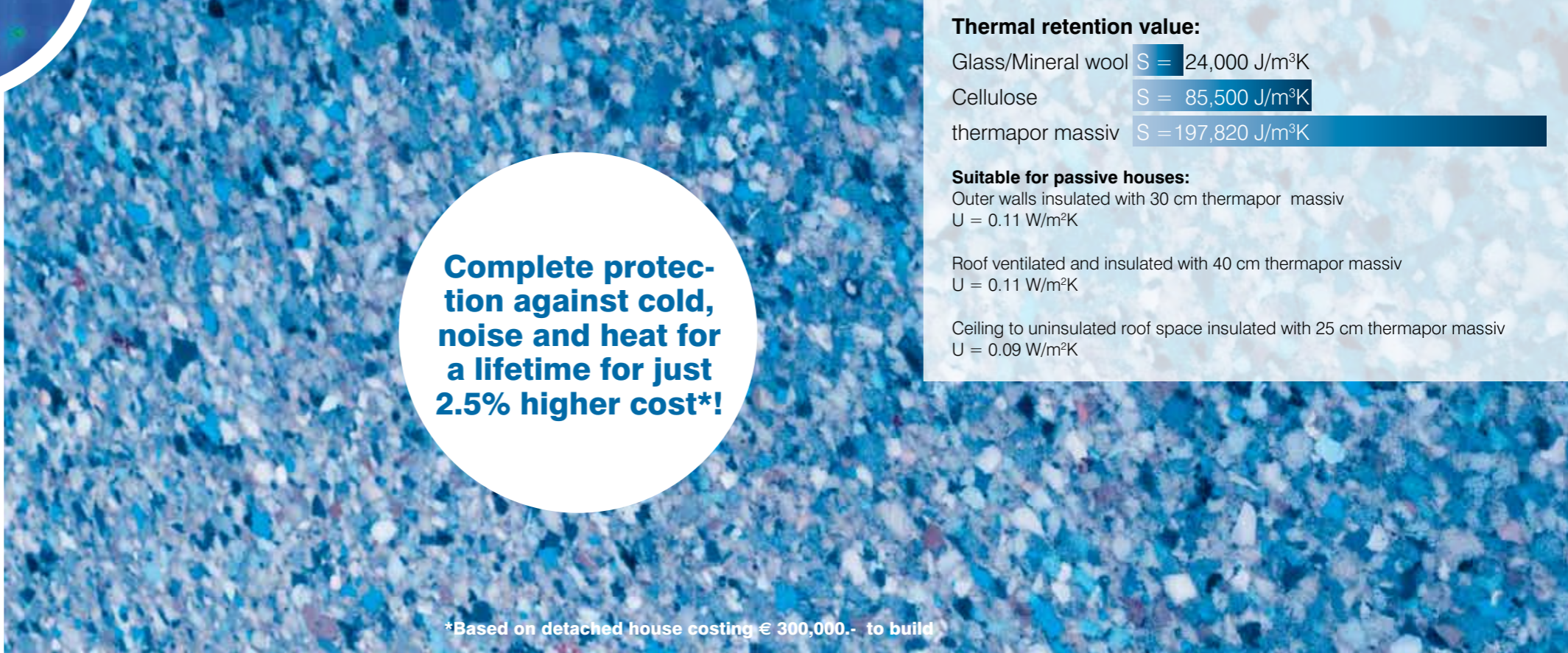


Thermal retention value:

Glass/Mineral wool	S = 24,000 J/m³K
Cellulose	S = 85,500 J/m³K
thermapor massiv	S = 197,820 J/m³K

Suitable for passive houses:

- Outer walls insulated with 30 cm thermapor massiv U = 0.11 W/m²K
- Roof ventilated and insulated with 40 cm thermapor massiv U = 0.11 W/m²K
- Ceiling to uninsulated roof space insulated with 25 cm thermapor massiv U = 0.09 W/m²K



permeable

for walls that breathe

thermapor massiv is suitable for the permeable wooden houses popular today thanks to its open-pored structure that lets moisture through but keeps heat and cold outside. Moisture from inside the house and from outside is able to evaporate outwards. thermapor massiv is completely resistant to mould.

physiological insulation without the side-effects

Healthy building techniques are an important issue that determines the living quality of a house. thermapor massiv has no fibres to affect respiration and does not give off any vapour. No health and safety measures are required during installation either. No wonder, because the same material has been used for decades in high quality mattresses.



real noise absorber

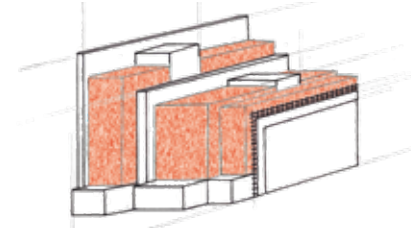
high density and excellent acoustic properties make all the difference



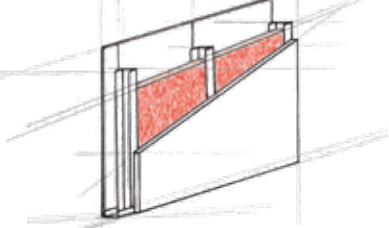
Noise is one of the worst causes of stress in our society. Turn your house into a peaceful place to relax by insulating all the walls with thermapor massiv. The kids can then turn up the volume upstairs while you relax in peace in the sitting room downstairs. Thanks to its special composition and properties, thermapor massiv has a unique way of creating quiet living space.

wide range of applications

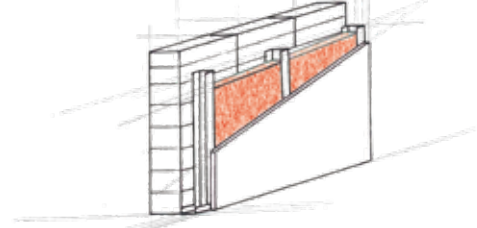
wooden construction



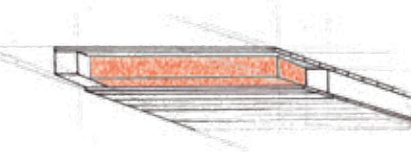
partition wall



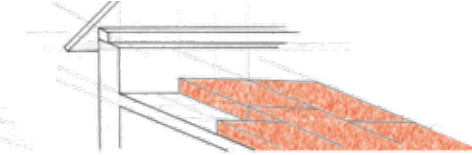
external cladding



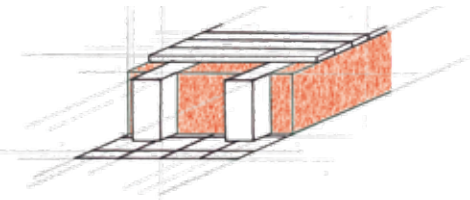
wooden beam ceiling



upper floor



between rafters



Technical data - you'll be impressed

Insulation	Thermal conductivity λ_D W/mK*	Volume weight ρ kg/m ³	Diffusion resistance value μ	Thermal capacity c pJ/kg.K	Length-related flow resistance r kPa.s/m ²	Fire class**
Mineral wool	0.035-0.040	30-90	1	800	≥ 5	A1
Cellulose	0.040	30-60	1	1,900	8-9	E
thermapor massiv	0.040	90	1-2	2,200	13	E

* as per ÖNORM B 6015-Part 2

** Euro class as per DIN EN13501-1

Differences in colour are possible due to the different colour compositions of the raw materials, although this has absolutely no effect on the physical building properties of the product.

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thermapor massiv
as-delivered

Formats: 200 x 100 cm; 100 x 100 cm;
200 x 62.5 cm, 100 x 62.5
or as specified by customer

Thickness: 5 - 15 cm possible in single piece

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