



Problems with mould and moisture?

WE CARE FOR HEALTHY CONDITIONS IN YOUR ROOMS ... FOR MORE THAN 50 YEARS NOW



→ Important to know...



The annoyance

Damages caused by moisture and mould are nothing unusual. Many people can tell you a thing or two about that.

The problem

Wet spots are excellent agars for mould or algae. Mould fungi are not only disgusting but also pathogenic and a danger for health. Mould on walls can cause allergies, difficulties in breathing and infections. Aflatoxines are even rated to cause cancer.

The cause

Daily experience proves that mould damages are mostly caused by condensed moisture.

The explanation

Hot air accumulates more vapor than cold air. If hot, wet air cools down, tiny drops of water arise. In nature this effect leads to fog and dew, which is comparable to the climate situation in rooms..

Cold wall areas arise from wet masonry, insufficient heating, inadequate thermal insulation or from thermal bridges.

Of course, the moisture is absorbed and reabsorbed by carpets, curtains, furniture, plaster and wall papers, but this has negative effects on all those materials.

Even in rooms with an adequate thermal insulation condensation water can arise behind cupboards, built-in furniture or thicker curtains, because the room air cannot warm up sufficiently. Particularly prone to this are wall edges and reveal zones, as they cool down quickly.



That 's the way you do it !

The solution

Moisture and mould can be prevented by combining an effective thermal insulation with a climate regulation. The *epatherm* indoor climate boards balance temperature and moisture differences perfectly. Exceeding moisture in the room air cannot condense on the wall surface, but is absorbed by the pores of the boards and distributed evenly. The *epatherm* climate boards slowly emit the moisture as soon as the room air conditions are normalized. The board 's surface of the boards remains dry and thus free of mould.

Special features

epatherm climate boards are purely mineral and consist of lime, silica sand and water, which means of naturally raw materials. In case of fire, they offer an additional protection, because they are incombustible. Furthermore, the boards stand out for noise reducing and thermal insulating features.

A high ph-value prevents from the formation of any new mould.

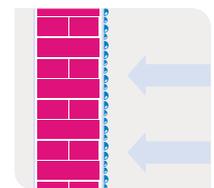
The advantages

epatherm indoor climate boards are ecofriendly and can be processed easily. They help to reduce energy costs and create healthy room air conditions.

MOISTURE



CONDENSATION WATER

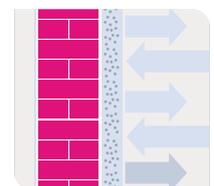


MOULD GROWTH



THE SOLUTION

epatherm indoor climate boards

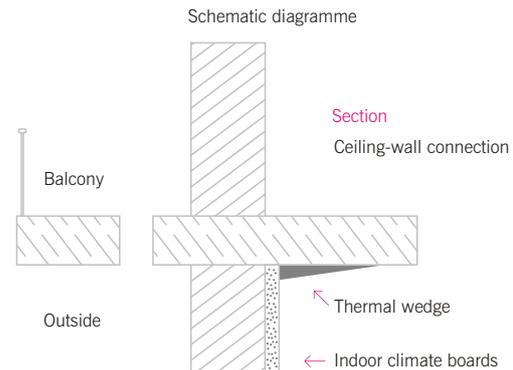
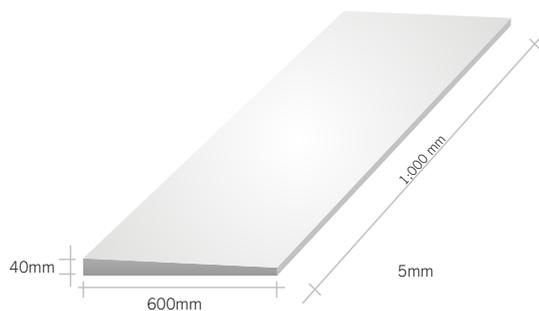


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Innovative products produced by epasit

→ Thermkeil - the smart solution for ceiling and wall connections



→ Board sizes

Indoor climate boards	
Length x width	100 x 75 cm
Thickness	3 oder 5 cm *
EMBRASURE	
Length x width	100 x 24 cm
Thickness	2 cm
THERMAL WEDGES	
Length x width	100 x 60 cm
Thickness	Wedge-shaped thickness from 4 to 0,5 cm

* customer-designed thicknesses between 2 and 18 cm are available.

TECHNICAL DATA:

Dry density	approx. 290	kg/m ³
Porosity	approx. 90	percent per volume
Capillary moisture absorption	approx. 270	percent per mass
	approx. 26	kg/m ²
Water vapour absorption mass	> 30	percent per mass
	approx. 1,5	kg/m ²
Behaviour in fire DIN 4102	class A1	incombustible

→ Features

- benefits health
- moisture regulating
- thermal insulating
- bioresistant
- pressure-proof
- incombustible
- noise reducing
- easy to process
- ecofriendly
- approved by the legal authority for constructions suitable for people with allergies
- fire protection classification A1
- cement-free
- pure mineral

→ Fields of application

- Mould rehabilitation
- Interior insulation
- Climate regulation
- Dry mortarless construction (loft conversion, suspended ceilings, dividing walls)
- Interior insulation of framework
- WTA code of practice 8-5-00/D)
- In living spaces, cellars, EDP rooms, churches, indoor pools and others