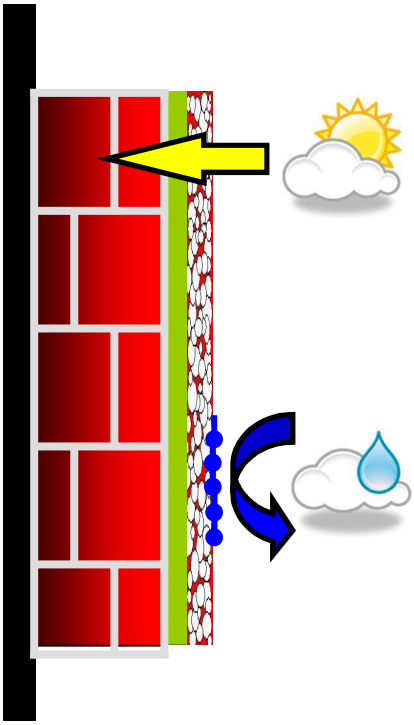
The energy-saving colour



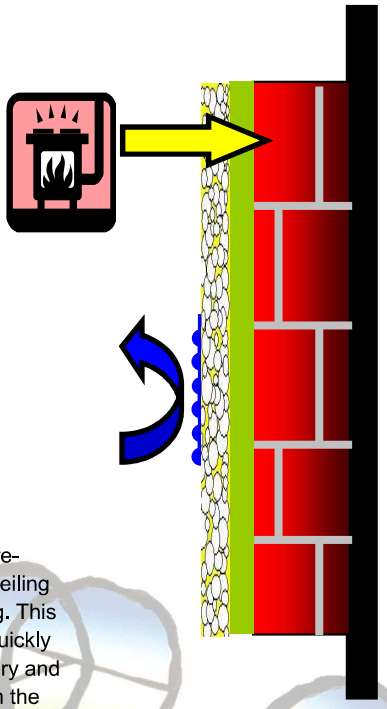
THERMOLINE EXTERIEUR

Advantages for the user

- improves energy use
- improves the absorption of solar energy even at low radiation levels
- improves heat transfer to heat-storing substrates
- Dirt and algae prevention without biocides
- saves heating costs
- extends renovation intervals by up to 100%.
- protects the building fabric
- does not pollute the environment

THERMOLINE EXTERIEUR prevents rapid embrittlement of the surface due to its special composition and structure. The glass-filled THERMOLINE EXTERIEUR paints are largely resistant to acids, alkalis, high and low temperatures. The reflective properties of the surface are retained. Approx. 20% of the solar radiation can penetrate through the glass-filled membrane into the component and leads to component heating. Moisture from the surrounding outside air cannot be absorbed, the moisture already existing in the component/wall can be evaporated better in the component/wall by solar radiation. Optimum thermal insulation properties of the exterior wall are made possible and heating energy consumption is significantly reduced. In summer, the improved insulation properties of the exterior wall, the increased inward vapour pressure and the better reflection of the surface enable the energy consumption of air conditioning/ dehumidification systems operated in residential areas to be reduced.

THERMOLINE INTERIEUR

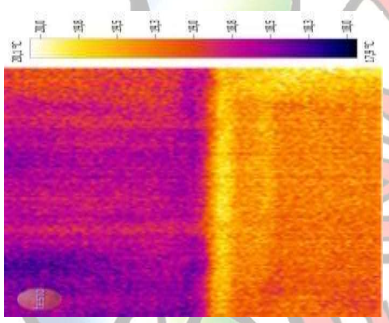


Advantages for the user

- reduces convection
- enables better temperature control of walls due to the glass surface
- improves thermal comfort and indoor climate
- reduces and prevents mould formation without toxins
- reduces diffusing air pollutants from the subsoil
- high savings on heating costs
- creates uniform surface temperatures
- creates even temperatures in the room
- regulates the humidity of indoor air
- improves heat radiation exchange

THERMOLINE INTERIEUR, with its special composition and structure, increases the moisture-absorbing surface many times over. Moisture molecules can dock on the enlarged wall and ceiling surfaces under normal living space conditions without getting into the depth of the wall/ceiling. This makes the moisture that occurs easy to ventilate without an extreme supply of energy. The quickly ventilated humidity shortens the phase change and enables fast thermal comfort due to the dry and heatable surface. At the same time, fewer pollutants (radon, thoron, etc.) are transferred from the wall/ceiling into the indoor air due to the lack of moisture transport processes in the wall/ceiling and from the wall/ceiling, which is only beneficial for the health of the residents. THERMOLINE INTERIEUR paints are certified as "excellent" in terms of building biology and guarantee the best indoor air quality. In summer, the quickly ventilated humidity relieves air conditioning systems and thus enables rapid thermal comfort.

The surface temperature of the walls increases by up to 3°C.



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