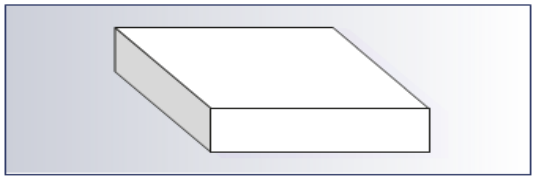
Sitek Insulation
ROUTE DE LAUTERBOURG | CS 90148 | 67163 WISSEMBOURG CEDEX | FRANCE

EXPERT KLIMA

Description

December 2023

Capillary active thermal insulation board for internal use, consisting of expanded perlite, binders and fibres for the insulation and mould remediation of walls and ceilings.



Uses

The “Expert Klima” interior insulation board eliminates condensation problems, e.g. as a result of thermal bridges or in the case of poorly insulated exterior walls, and thus serves the purpose of sustainable mould prevention.
The balanced moisture management due to the high capillarity as well as the excellent drying behaviour of the board and its insulating properties also create a pleasant and healthy room climate.
Declaration of performance: Sitek_DoP_30_Expert Klima
CE-marking: Certificate N° 1163-CPR-499
Expert Klima meets the requirements of EN 13169.
Production is covered by ISO 9001, ISO 14001 and ISO 50001 certifications.
Certified by RAL UZ 132 (Blue Angel) : No Contract 36561
Certified by Micor Institut : No Certificate 07042017-1 (resistant to mould growth)

Advantages

- *Permeable, moisture-regulating and capillary active*
- *Condensate is rapidly absorbed and redistributed*
- *Humidity peaks of the room air are buffered*
- *Without water vapour barrier*
- *Resistant to mould growth*
- *High stability with low board weight*
- *Easy and fast to install*
- *Ecological and recyclable*

BLUE ANGEL
THE GERMAN ECOLABEL

www.blauer-engel.de/uz132
- low emission
- low pollutant content
- no adverse impact on health in indoor spaces

Characteristics

	Value	Unit	Standard
Length, width	1,200 x 600	mm	EN 822
Thickness	25 / 40	mm	EN 823
Declared thermal conductivity, λ_D	0.050	W/mK	EN 13169
Nominal Density	150	kg/m³	EN 1602
Reaction to fire classification (Euroclass)	B-s1, d0		EN 13501-1
Porosity	≥ 94	Vol.%	
Water vapour diffusion resistance μ_{DRY}	6	[-]	EN ISO 12572*
Water absorption coefficient A_W	approx. 61 approx. 1.0	kg/(m²h^{0,5}) kg/(m²s^{0,5})	EN ISO 15148
Compressive stress at 10% deformation	0.25	N/mm²	EN 826
Bending strength	0.35	N/mm²	EN 12089
Tensile strength	0.07	N/mm²	EN 1607

* based on

The characteristics of our products are subject to normal manufacturing variations and can be changed without prior notice.
Check with your Sitek office for current information.