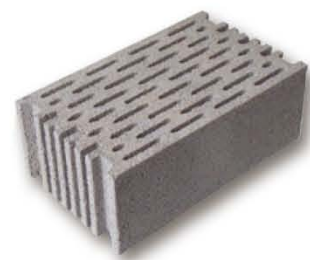


Self-insulating pumice stone building blocks



Pumice stone from the Cogetherm® process :



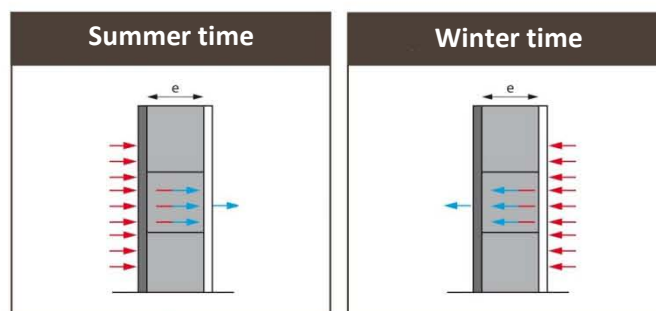
Some typical characteristics

Naturally insulating

The Cogetherm block is well suited for individual and collective housing, commercial premises, agricultural and food industry uses.

"It's useless to have a good product if, when, laid, creates problems during the assembly. Our solution is traditional laying in accordance with the norms, with one pumice stone mortar. The Cogetherm block is a material which allows a permanent thermal insulation without needing any additional insulation. Thanks to the pumice stone mortar, the building is entirely homogeneous.

The horizontal and vertical joints are filled up with the pumice stone mortar (same raw material as the block). So, the joints don't engender thermal losses and the airtightness effectiveness is ensured in accordance with the Thermal Regulation. "The sticking process" is not in accordance with the norm of the BBC regulations.



100% Airtightness

Traditional lay :
Laying of the blocks with the pumice stone mortar with the help of a gird.

The mortar allows you to fill in all parts of the building.

Preservation of the insulating effectiveness:

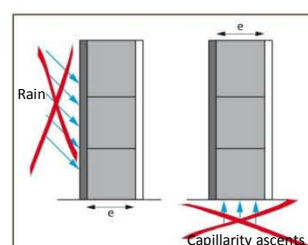
the Cogetherm block has a high thermal insulation rate. It allows excellent insulation which moderates the different variations of the external temperature, the maintenance of the internal warmth during winter and the coolness during summer: a real temperature regulator.

One of the specificities: a small absorption rate:

The self insulating Cogetherm blocks can be built in constructions such as the roof, contrary to other blocks. There is no capillarity ascent and no humidity (the absorption rate is only 0.3%). This small humidity rate allows to have healthy and dry walls and also to increase the thermal effectiveness.

Air= Insulation and Humidity= cold

Comparative table	
MATERIALS	Water absorption coefficient (kg/m ³)
COGETHERM block	0.209 à 0.25
Concrete block	2.3 à 4.3
Cellular-aerated block	2.1 à 7
Limestone brick	3.8 à 8.2
Brick	9 à 30



The small water absorption rate enables reinforcement of thermal insulation.

Natural temperature regulation

Cool in the summer, warm in the winter

Definitive and efficient thermal insulation

Natural air conditioning

Low water absorption coefficient

No capillarity ascents

100% sustainable

Ecological material and product of sustainable development

100% economical

No additional insulation

In accordance with the present Thermal Regulation

No temperature loss