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LITHOTHERM[®] LIGHT



L O S S

Low-temperature floor, wall and ceiling heating system

*LITHOTHERM!
HARNESSED ENERGY
- For the best in your home*



It is a well-known fact that energy cannot be destroyed, but it can be wasted.

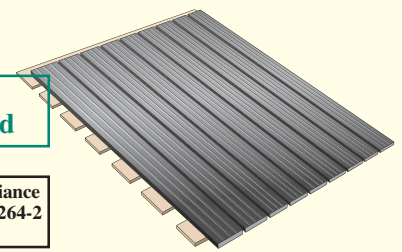
A contribution to sustainable CO₂ reduction!

LITHOTHERM heating system = time and energy savings

Brief description and installation instructions

Patent
protected

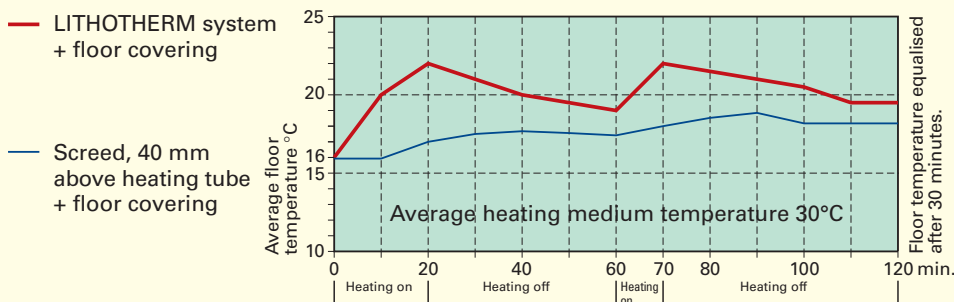
Tested in compliance
with DIN EN 1264-2
(LIGHT)



The LITHOTHERM® *Light* floor elements are made of a spruce wood construction with a graphite coating. The heat is distributed through the graphite layer and the hypocaustic construction. The individual elements measure 125 x 80 cm and are 2.1 cm thick. They weigh approx. 10 kg / m². The elements can all accommodate a heating pipe at intervals of 9 cm with flush installation. The individual elements are screwed together when they are installed and form a compact surface that can be covered with any type of flooring.

The low weight of the large-surface, self-supporting elements permits fast and easy installation. The element integrates the pressure and heat distribution. When all heating pipes have been fitted into the special grooves (no pipe fixture required), any type of flooring can be fitted. The heating pipes that run directly below the flooring start heating the room within minutes. Fast heat control is possible. The thin, lightweight system with its graphite coating has fire retardant properties and is especially suitable for renovating old buildings. The elements can be laid directly on existing floors.

The diagram shows the advantages of the LITHOTHERM system



LITHOTHERM characteristics

- ☑ Light, large, self-supporting elements comprising pipe carriers and a heat and pressure distribution layer. The elements can be covered directly with all commercially available floorings.
- ☑ Fast and simple installation
- ☑ The compact, lightweight system is particularly suitable for superstructures, renovations, roof conversions, wall and ceiling heating systems etc.

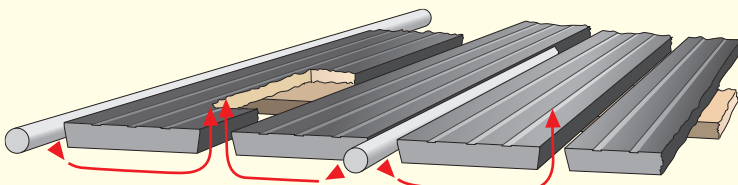
- ☑ Material and installation cost savings
- ☑ Lower heating costs due to fast heat control (particularly important in the off-peak seasons) - extra comfort
- ☑ The direct contact of the heating pipes with the flooring permits a lower admission temperature. Higher efficiency of heat pumps, condensing boilers, solar systems etc.

Installation instructions

Place the first LITHOTHERM® *Light* board onto the heat insulation layer at the edge and maintain a distance of approx. 8 cm from the wall (pipe turns). Carry on fitting the boards in a triangular form, working out from the corner. Adjust the groove spacing from board to board to 15 mm by using spacers. Screw the LITHOTHERM® *Light* board on each contact side with two 3 x 25 mm wood screws. When connecting pipes to the manifold, observe the specified distance of the boards to the wall. After installing the heating pipes (14 mm aluminium composite piping), the LITHOTHERM® *Light* boards can be coated.

Roll the graphite compound evenly with the paint roller. After allowing it to dry, install the floor coverings in the conventional manner. Screw down a 1 cm thick fermacell board for tiles, glued parquet or soft floor coverings.

Caution: The colour of the LITHOTHERM® *Light* boards can rub off easily. Take care with the floor coverings.



Heat is distributed by graphite and hypocausts.

Your LITHOTHERM partner