



LINZMEIER

Insulate with system

Information and examples of the installation of cellar ceiling insulation LINITHERM PAL KD

Cellar ceiling insulation

LINITHERM®

Installation



Material requirement

Delivery

Safety provision

Tools

Installation LINITHERM PAL KD

LINITHERM elements, attachment hooks, LINITHERM adhesive tape. Screws and dowels to be provided on site depending on the brickwork/ceiling.

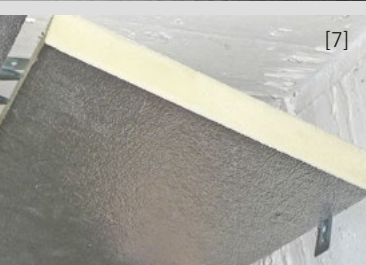
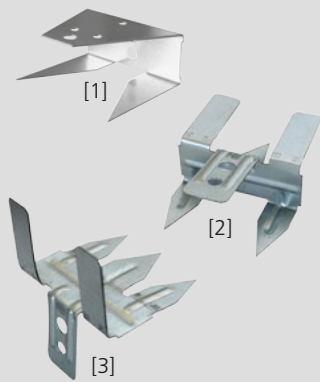
LINITHERM insulation elements are delivered on pallets. Unloading or transporting the elements on side has to be done carefully. During all works (laying the elements, etc.), it has to be observed, that no damages occur. The elements have to be protected against damp and UV light during storage, transport and installation, especially around the cut edges.

The safety regulations on construction sites need to be observed.

For the installation of LINITHERM insulation elements only a few tools are necessary, which are usually available on every construction site. These are e. g. portable circular saw, jigsaw, foxtail, cutter knife, hammer, hammer drill, cordless screwdriver, level, etc.

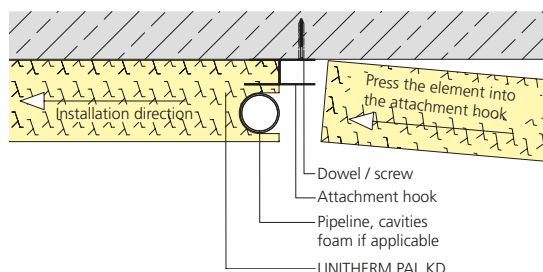
Installation information for LINITHERM PAL KD

- For the first row of boards, fix the LINIFIX edge fixation clamps [Fig. 1] to the ceiling according [Fig. 4]. Place the clamps on the lengthwise joint with approx. 15 cm distance to the cross joints. Two clamps per lengthwise are needed.
- Fit the first row of boards tightly on the pre-assembled edge fixation clamps.
- Press two fixation clamps [Fig. 2] per element at the lengthwise joint into the PU rigid foam [Fig. 5] and dowel to the ceiling [Fig. 6]. Keep a distance of approx. 15 cm to the cross joints.
- Press the next row of boards into the fixation clamps of the previous lengthwise joint and fix them with the clamps as described above. Proceed with the remaining rows as described.
- For the last row of boards, bend the fixation clamp according [Fig. 3] and press them into the boards to have a fixation strap over the edge of the board [Fig. 7]. Press the boards diagonally into the claws of the last joint, bring them upwards and dowl the end into the wall.
- Foam connecting joints, cut off protruding foam.
- Mask element joints and wall connection joints with adhesive tape [Fig. 8] (surface must be free of dust and grease; if necessary, use a damp cloth). Press the adhesive tape on using a brush or another suitable tool. If desired, the adhesive tape can also be omitted.



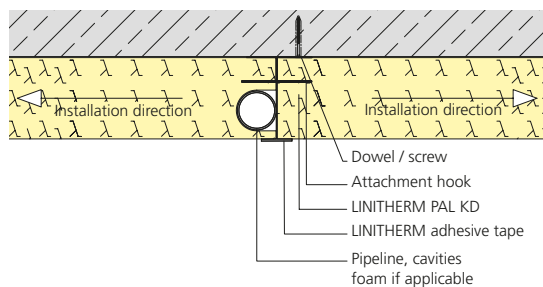
Pipelines

The elements are installed from the pipeline to the walls. The attachment hooks are mounted in advance in the area of the pipeline. The insulation is adapted to the pipe and foamed later if applicable (see sketch).



Please note:

Particular specifications with regard to claddings of e. g. supply lines must be observed.



Depending on the mounting base alternative installation options may be possible. Appropriate processing guidelines of the fastening manufacturer (e. g. adhesive) must be observed separately. The processor is responsible for the assessment of the mounting base on site.

LINITHERM elements, attachment hooks, H-joint profile, L-wall connection profile.
Screws and dowels to be provided on site depending on the brickwork/ceiling.

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Material requirement

Delivery

Safety provision

Tools

Installation information for LINITHERM PAL KD white

Measure the ceiling exactly. Arrange LINITHERM elements in such a way that a staggered transversal joint is created. This is advantageous with regard to waste and for a more attractive surface (coffered ceiling).

- Attach the wall connection profile (L-wall connection profile or planed plank) at the distance of the panel thickness to the longitudinal wall [Fig. 1].
- Position the first panel fully to the wall. (If necessary, foam the cavities to the brickwork or insert Comcriband).
- Press 2 attachment hooks in at the longitudinal joint and dowel to the ceiling [Fig. 2]
- Insert the cut-to-size H-joint profile into the transversal joint and press the next profile against it.
- Observe alignment.
- Insert the H-joint profile into the longitudinal joint and install the following rows with staggered joints. Fix the last row of panels to the wall as described in point 1.
- Insert the last row of panels and subsequently attach the L-wall connection profile. Also attach the L-wall connection profile to the walls to which the transversal joints are connected. Foam the cavities beforehand.

Fig. 1

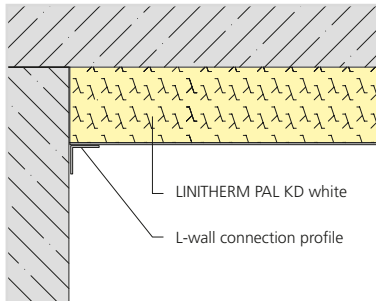
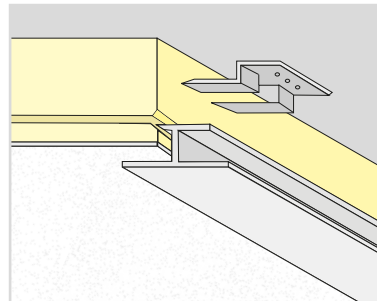


Fig. 2



Alternatively: Wall connection LINITHERM PAL KD, PAL KD white



Connection to pipelines: see PAL KD