

PROCESSING GUIDELINES FOR IKO ENERTHERM ALU FLOOR INSULATION AND IKO ENERTHERM KR ALU INSULATION BOARDS

Storage

The insulation boards should be stored in such a way as to prevent damage. The boards also need to be protected from the weather.

Application

IKO Enertherm insulation boards can be mounted both below and above the bearing floor, floating covering floors, and loft floors. With floor heating, it is absolutely essential to use insulation boards. The floating covering floor is moveable and has no direct contact with surrounding walls. The floor is separated from the upright wall or partition by means of a vertically fitted IKOFIX EDGING STRIP.

The IKO Enertherm KR ALU can be fitted under a cement-bound floor system without a PE foil. THE KR ALU cover is highly resistant to chemicals and is suitable for a wide range of cement-bound products. When the IKO Enertherm ALU insulation boards are fitted, they should be equipped with PE foil once the joints have been taped over.

Requirements for the base

The base has to be sturdy, dry, and clean. Clean the surface, remove loose parts, and seal false openings in advance using the IKO PU FIX GUN.

Fitting the insulation boards

Insulation under the floating floor

IKO Enertherm insulation boards can be fitted separately under floating covering floors. It will be necessary to saw a section at the end of the first row to size. The remaining element is used as the first element at the start of the second row. Always make sure that the joints are staggered at least 20 cm. Any openings between the insulation boards at channels and connections with walls must be sealed using IKO PU FIX GUN once all the boards are fitted. This is necessary to prevent the formation of a thermal bridge. The surplus foam can be cut away and all joints taped with ALU TAPE. There is a need for sufficient dilatation at the wall joint in order to prevent bulging from the covering floor. It is also necessary to fit an IKOFIX edging strip. With non-plummeted floors, it is necessary to take sufficient measures in advance as regards a full seal to keep out damp.

Insulation under the bearing floor

IKO Enertherm insulation boards can be fitted separately under the bearing floor on the entire floor. Before you start work, the entire floor needs to be spread evenly and have sufficient strength. Now fit a PE foil of at least 0.2 mm over the entire surface. It will be necessary to saw a section at the end of the first row to size. The remaining piece is used as the first element at the start of the second row. Always make sure that the joints are staggered at least 20 cm. Any openings between the insulation boards at channels and connections with walls must be sealed using IKO PU FIX GUN once all the boards are fitted. This is necessary to prevent the formation of a thermal bridge. The surplus foam can be cut away and all joints taped with ALU TAPE.

Insulation for crawl spaces

To insulate the bearing floor from the crawl space, the boards are always secured mechanically with at least four IKOFIX TLK Polypropylene plugs in combination with EDS-S screws. This helps to avoid thermal bridge interruptions. Any openings between the insulation boards at channels and connections with walls must be sealed using IKO PU FIX GUN once all the boards are fitted. This is necessary to prevent the formation of a thermal bridge. The surplus foam can be cut away and all joints taped with ALU TAPE.

Insulation for loft floors

For lofts with no heating it is advisable to fit the loft floor with IKO Enertherm insulation boards. To fit these boards, see the working guidelines of IKO Enertherm comfort easy.

Insulation under floor heating

The problem with floor heating is often the limited height of the floor. It is absolutely essential to insulate this room as well as possible in order to use it efficiently. IKO Enertherm KR ALU can be fitted directly without a PE foil in between. The floor heating tubes are fixed directly onto the insulation board using the IKOFIX TACKER equipped with IKOFIX floor tacks. These floor tacks have been developed especially for PIR boards to ensure that the tubes are not raised. The IKO Enertherm KR ALU is equipped with a length marking, and that makes it easier to lay the tubes as required. For floor heating dimensioning, we refer you to the manufacturer's instructions. It will be necessary to saw a section at the end of the first row to size. The remaining piece is used as the first element at the start of the second row. Always make sure that the joints are staggered at least 20 cm. Any openings between the insulation boards at channels and connections with walls must be sealed using IKO PU FIX GUN once all the boards are fitted. This is necessary to prevent the formation of a thermal bridge. The surplus foam can be cut away and all joints taped with ALU TAPE. There is a need for sufficient dilatation at the wall joint in order to prevent bulging from the covering floor. It is also necessary to fit an IKOFIX edging strip.

Detailed sketches

Detailed sketches of IKO Enertherm floor insulation are available under Downloads on the website www.enertherm.eu.

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