

PROCESSING GUIDELINES FOR IKO ENERTHERM WALL

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 WALL (Partial Fill Cavity Wall Insulation)

Requirements on the outer cavity leaf

In order to enable any moisture that might penetrate the cavity to be drained away, sufficient ventilation openings must be present in the outer cavity leafs:

- above the start of the cavity on the foundation;
- above the lintels;
- above any other opening.

These drainage openings must be situated immediately above the waterproofing membrane (a strip of lead, EPDM or DPC film). The strips of this membrane must be laid with a minimum overlap of 20 cm. First run of board commences below DPC level, to provide some edge insulation for the floor.

Installation procedure

Prior to installation, ensure the wall is dry, sound and free from contaminants. Mark out the Finished board position on the substrate

- Construct the inner leaf first, with the IKO enertherm insulation boards held in position using retaining clips
- Install wall ties with the drip of the tie downward, approximately half way across the residual cavity and wall tie slightly sloping down from inner to outer leaf
- For solid concrete floors: install the first row of wall ties in the inner leaf 600mm horizontal centres and a minimum of one course of blocks below the damp proof course(DPC) or 150mm below the top of the ground floor edge IKO enertherm insulation
- For suspended timber floors: install the first row of wall ties in the inner leaf at 600mm horizontal centres and 200mm below the top surface of the ground floor edge IKO enertherm insulation
- Raise the leading leaf two courses of blocks to the level of the next row of wall ties, normally at 450mm vertical centres. Clean any excess mortar from the inner leaf before installing the IKO enertherm insulation boards
- Fit the next and subsequent rows of wall ties at maximum 900mm horizontal centres to retain the tops of the IKO enertherm insulation boards
- Additional ties may be required for structural stability and to ensure adequate retention of the IKO enertherm insulation boards against the inner leaf
- Build the outer leaf to the level of the IKO enertherm insulation boards and repeat the process

- Fit IKO enertherm insulation boards between the two rows of wall ties, tightly butted and secured by the retaining discs at a minimum of three points
- Install subsequent rows of IKO enertherm insulation boards with all joints tightly butted and vertical joints staggered in a brick-bond pattern. Boards with damaged edges or corners should not be used
- A double layer of IKO enertherm insulation boards may be used as long as vertical joints do not coincide and the thickest layer is positioned outermost
- At all stages of the work, ensure the residual cavity is kept clean and free from mortar droppings or other debris. Use of a cavity board is recommended in order to protect board edges and maintain a clear cavity
- Ensure all joints are accurately cut in order to maintain the continuity of the insulation layer

SITE WORKING PRACTICE

At the completion of each day's work, or whenever work is interrupted for extended periods of time, IKO enertherm insulation board edges and joints should be protected from inclement weather.

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