

Knauf Independent 'I' Stud

Installation Procedures

Knauf Independent 'I' Stud linings are designed to be simple and fast to install. Knauf Technical Services are on hand should you have any questions or unusual situations to deal with.



1. Installing floor track.



2. Installing head track.



3. Twisting Knauf 'I' Studs into place.



4. Adjusting the stud position.



5. Measuring distance between studs.



6. Fixing Knauf Plasterboards to complete the lining.

General

The Knauf Independent 'I' Stud system must be installed in accordance with Knauf's recommendations and the recommendations of BS 8212: 1995 and BS 8000: Part 8: 1994

Preparation

Mark guidelines on the floor and soffit to establish the positions of floor and head tracks.

Perimeter Framing 1,2

Knauf 'U' Channels should be used for the head and base and to form any abutments and to frame openings. Bed each section onto two continuous beads of Knauf Sealant and secure with Knauf Nailable Plugs at maximum 600mm centres and 50mm from ends of channels or studs. Separate studs and channels forming the perimeter need not be joined, but should be tightly butted together.

Vertical Studs 3,4,5

Studs should be positioned within the channels to coincide with the abutments of the boards, which will be fixed later. The centres (either 300, 400 or 600mm) depend on the performance requirements. In general, there is no requirement to secure the metal at this point as this will be achieved once the boards are screw fixed.

Knauf 'I' Studs should be trimmed to within 5mm of the slab to soffit height. Extend the length of Knauf 'I' Studs where necessary by splicing the Knauf 'I' Studs with Knauf Deep Flange 'U' Channel. See detail 30, page 40 (Performer).

Angle Sections

Fix Knauf Angle Sections at external corners and reveals, where appropriate.

Insulation

Install Knauf Earthwool Acoustic Roll where required, between and behind the vertical Knauf 'I' Studs.

Support for Horizontal Joints

To back horizontal joints in outer board layers, Knauf Fixing Channel or Knauf Flat Fixing Plate should be fitted across the face of all studs secured with two Knauf Wafer Head Screws per stud or between board layers.

Boarding 6

All boards should be offered up to the frame with the face of the board outwards and secured with Knauf Screws at 300mm centres. Fixing centres should be reduced to 200mm at corners. Fixings should be to all horizontal and vertical members.