Knauf Performer

Installation procedures

Knauf Performer partitions 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.

General

Knauf Performer partitions must be installed in accordance with Knauf's recommendations and the recommendations of BS 8212: 1995 and BS 8000: Part 8: 1994.

Perimeter Framing 1, 2

Knauf 'U' Channels should be used for the head and base of the partition. Knauf 'C' Studs should be used to form any abutments and to frame openings. Bed each section on two continuous beads of Knauf Sealant or Knauf Intumescent and Acoustic Mastic as specified. Secure with suitable fixings 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. Replace Knauf 'U' Channel with a Knauf Deep Flange 'U' Channel when forming a deflection head.

Partitions constructed to provide fire and/or acoustic separation are required to span from structural floor to structural soffit.

Vertical Studs 3

Studs should be positioned within the channels to coincide with the abutments of the boards, at centres dependant on the performance requirement of the system. 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 'C' and 'I' Studs should be trimmed to within 5mm of the slab to soffit height. For deflection heads: studs should be cut short to allow for required clearance within Knauf Deep Flange 'U' Channel. Knauf 'C' Studs can be extended by forming a splicing detail. See details 30 and 31 on page 40.

Insulation

Subject to the performance requirements, once the studs have been located in the Knauf 'U' Channels and one side has been boarded, Knauf insulation as specified should be inserted between the studs vertically. Care should be taken to ensure that the insulation is fitted neatly without gaps at abutments or vertically between different rolls.

Support for Horizontal Joints in Facings

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 Jackpoint Screws per stud to both faces or between board layers.

Doorways 4, 5, 6, 7

The head is formed with Knauf Deep Flange 'U' Channel, snipped and bent back and screw-fixed with Knauf Wafer Head Jackpoint Screws to the studs. See details 28 and 29 on pages 38–39.

Boarding 8

All boards should be offered up to the frame with the face of the board outwards and secured with Knauf Screws at 300mm maximum centres. Fixing centres should be reduced to 200mm at corners. Boarding should commence at one end and work across the partition. At head, floor and abutments, board edges should be bedded on to continuous beads of Knauf Sealant. Board joints in multiple layers should be staggered both vertically and horizontally by at least 600mm.

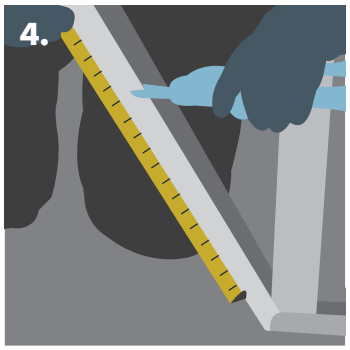
Deflection Heads

The maximum deflection allowance should be no more than half the flange length of the Knauf Deep Flange 'U' Channel and for a downward direction.

After fixing the head track, the floor track should be positioned by using a vertical stud and a laser/spirit level.

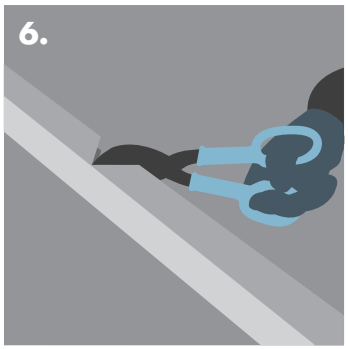
Fixing Knauf 'C' Stud to form the partition frame abutment.

Twisting Knauf 'C' Stud into position.



Snip and bend back Knauf 'U' Channel for extra rigidity around door openings.

Insert timber battens within Knauf 'C' Studs to provide fixing for door frame (if required).



Snip and bend back Knauf Deep Flange 'U' Channel to form the door frame.

Fixing Knauf Deep Flange 'U' Channel to studs at door opening.

Fixing Knauf Plasterboard to the completed framework.