Knauf Encasement

Installation Procedures
The Knauf Encasement system is 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
The Knauf Encasement system must be installed in full accordance with Knauf's recommendations.

Column Encasement
Four-sided Column Encasement 1, 2 ,3
Cut four lengths of Knauf 'C' Channel to the full height of the column. Attach the Knauf 'C' Channels to the steel column flanges with Knauf Fixing Clips at maximum 1000mm centres.

Cut two boards to suit column size, allowing for 'C' Channel thickness.

Fix the boards to the Knauf 'C' Channels with Knauf Screws at 200mm centres. Note the screws must be at least 10mm longer than the total board thickness.

Partial Column Encasement
Assuming a typical three-sided encasement where one of the column flanges straddles a wall, follow the same procedure as outlined for four-sided encasements with the following difference:

Fix Knauf 'U' Channel – Perimeter Support channels in continuous lengths, to either the abutting wall face or the inner flange of the column. Use appropriate fixings at 600mm centres.

Beam Encasement
Assuming a typical three-sided encasement where a beam is exposed directly below a level soffit, fix Knauf 'U' Channel – Perimeter Support channels to either the adjoining soffit or the top flange of the beam. Install continuous lengths of Knauf 'U' Channel – Perimeter Support channel using appropriate fixings at 600mm centres.

Fix two more continuous lengths of Knauf 'C' Channel with Knauf Fixing Clips at maximum 750mm centres to the bottom.

Cut two boards to suit column size, allowing for 'C' Channel thickness.

Fix the boards to the Knauf 'C' Channels with Knauf Screws at 200mm centres. Note the screws must be at least 10mm longer than the total board thickness.

Double Layer Application
Install the first layer as described for either full or partial encasement.

Secure the second layer to the metal with fixings spaced as for the first layer, but avoid coinciding fixing positions.
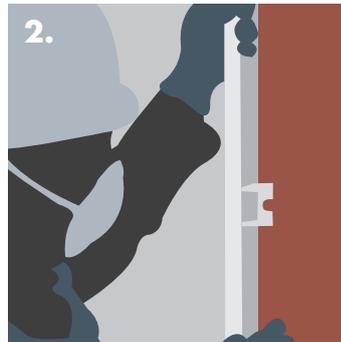
The board joints must be staggered as with the first layer between adjoining boards and also between the two layers.

Treatment of Board Joints 4,5,6,7
All joints in outer board layers require additional support, either from a length of Knauf 'C' Channel fixed between the main 'C' Channel supports in the case of single layer systems, or via Knauf Flat Fixing Plate positioned between board layers when a double layer encasement is used. Tape and joint for a seamless finish.

Installing Knauf Fixing Clips.

Pushing Knauf 'C' Channel into the Knauf Fixing Clips.

Fixing Knauf Fire Panel onto the Knauf 'C' Channels.

Fixing Knauf Fire Panel to Knauf 'C' Channels for horizontal joints.

Fixing Knauf Flat Fixing Plate between layers.

Fixing outer layer of Knauf Fire Panel.

Taping and jointing encasement corners

Knauf Training Courses

We offer a range of comprehensive training courses at our purpose-built training schools to ensure the installer is fully up to speed with the latest techniques and regulations. See page 276 for more information.