

FireSound

Guidelines for Installation

1. Delivery and Off-Loading

The component parts for the FireSound acoustic panel system are generally packed and delivered on non-returnable wooden pallets. The pallets should be off-loaded using a forklift truck and stored undercover, in a dry well-ventilated area protected from dirt and dust. Do not stack pallets as this may damage the components.

Check the pallets for the following items:

- * FireSound Panels.
- * Top 'U' channels - 50mm deep.
- * Bottom 'U' channels - 25mm deep.
- * End channels - 25mm deep.
- * 25mm x 6mm self-adhesive Vitroseal

Take care when handling to avoid scratching the powder coated surface finish.

2. Tools and Equipment

- * Suitable fixings to secure FireSound channels.
- * Gloves, if required, to avoid scratching the powder coated surface finish.
- * Pistol drills for drilling channels.
- * Suitable saw to cut channels to length.
- * Screwdrivers.
- * Rivet gun, if required.
- * Transformer to operate 110v tools.
- * Task lighting, if required.
- * Suitable access equipment.

3. Personnel Protection

Ensure personnel are suitably equipped with appropriate safety clothing i.e.

- * Hard hat
- * High visibility jacket
- * Safety footwear
- * Safety goggles
- * Ear defenders

4. Preparation and Planning

Ensure the floor area around the place of installation is tidy, dry and clear of equipment in order to keep the panels clean and to prevent damage.

Ensure the substrates to be treated are dry, structurally sound, flat and free from any protrusions.

Plan the fixing of FireSound panels to optimise material usage and minimise joints.



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5. Installation on Walls

FireSound panels are designed to be fixed directly to the wall between top and bottom channels with concealed fixings. Alternatively, they can be spaced off the wall using timber battens as packers behind the top, bottom and end channels.

Cut the top, bottom and end channels to the required length.

Position and fix the deep top 'U' channel horizontally along the top of the wall with appropriate fixings.

Position and fix the shallow bottom 'U' channel horizontally along the bottom of the wall with the appropriate fixings taking care to ensure the distance between the top and bottom channels is 30mm greater than the size of the panel being installed.

If FireSound panels are being fitted to just one wall, fix the vertical end channels to fit between the front face of the top and bottom channels.

Run a 25mm x 6mm flat self-adhesive strip along the length of the back edge of the top and bottom channels, to ensure the panels will be pushed towards the front of the channels.

Guide the top edge of the first FireSound panel into the top channel, push it against the wall and slowly slide the panel into the base channel.

Repeat until the wall area being treated is fully covered.

If fitting to just one wall, push the first panel across into the vertical channel. Repeat at the other end of the wall prior to installing the last panel.

For greater impact protection, FireSound panels can be pop rivetted to the top and bottom channels. Please note, these fixings will be visible.

To cover walls in excess of 3000mm high, install additional panels above the first row by fixing a shallow 'U' channel on top of the original top channel and install as detailed above until the required height is achieved.

6. Installation on Ceilings

When FireSound panels are being fitted onto ceilings, they should be fixed directly to the soffit using appropriate fixings to secure the top, bottom and end channels to the substrate.

The installation procedure is then as detailed above for the wall panels. Panels should be securely fixed to the channels with pop rivets to prevent movement.

**If In Any Doubt Contact:
Hodgson & Hodgson Group Limited's
Acoustic Helpline
Telephone: 01664 821809**