

HControl Hybrid



General information

As a vapour control layer, **HCONTROL HYBRID** is installed on the **inside** of any insulation product and can be in direct contact with it.

- **HCONTROL HYBRID** is installed with the embossed copper-coloured film facing the inside (warm side) of the building.
- To ensure maximum thermal efficiency, it is recommended to leave a 20mm minimum air gap, either side of **HCONTROL HYBRID**, between the product and other parts of the structure (e.g. plasterboard and additional thermal insulation).
- Joints should be overlapped by at least 50mm and sealed with the recommended **ACTIS tape**.
- In the case of installation on a metal frame, double sided tape is recommended.
- In the case of horizontal installation, noggins are recommended as support to the joints in order to ensure a secure and airtight fixing point.

Precautions

HCONTROL HYBRID must not be in contact with a chimney, fire or any source of ignition. The product must be isolated from a chimney with a fire resistant material.

HCONTROL HYBRID is watertight. It will resist a limited amount of rainwater. However exposure to rainwater for more than 2 days should be avoided.

HCONTROL HYBRID is a non load bearing product. It will resist normal loads associated with installation and use, although cannot be walked on.

The installation of **HCONTROL HYBRID** must not be continued over junctions of compartment walls or floors.



HCONTROL HYBRID STEP BY STEP INSTALLATION

Pitched roof

1 Cut **HCONTROL HYBRID** to the required dimensions.



2 Install **HCONTROL HYBRID** across the face of rafters, flat and taut, fixing in a continuous layer.



3 Staple to timbers every 50mm as taut as possible, using 20mm galvanised staples. Cut **HCONTROL HYBRID** oversized at eaves and pitch, allowing it to be adequately sealed by a batten.



HCONTROL HYBRID STEP BY STEP INSTALLATION

- 4** Fix adjacent layer overlapping by 50–100mm. Staple to timber support and seal joint with 100mm **ACTIS** tape.



- 5** All finished edges should be stapled every 50mm and secured with tape and batten.



- 6** Prepare for plasterboard by fixing horizontal or vertical battens (ACTIS recommends 38 x 38mm to gain full thermal performance) nailing through **HCONTROL HYBRID** to the rafter.

- 7** Around windows and doors, seal **HCONTROL HYBRID** with **ACTIS** tape and batten. Seal around any cable or pipe penetrations, and joints between walls and floors, with **ACTIS** tape.



Timber Frame Wall

- 1** Cut **HCONTROL HYBRID** to the required dimensions and install across the face of the timber frame, flat and taut, fixing in a continuous layer. Staple to studs every 50mm using 20mm (minimum) galvanized staples.



- 2** Fix adjacent layer overlapping by 50 - 100mm. Staple to timber support, and seal joint with **ACTIS tape**. Cut **HCONTROL HYBRID** oversized at floor and ceiling, allowing it to be adequately sealed by a batten. All finished edges should be stapled every 50mm and secured with tape and batten.



- 3** Prepare for plasterboard by fixing horizontal or vertical battens (ACTIS recommends 38 x 38mm to gain full thermal performance) nailing through **HCONTROL HYBRID** to the wall stud. Attach the plasterboard to the battens.



- 4** Around windows and doors, seal **HCONTROL HYBRID** with **ACTIS tape** and batten. Seal around any cable or pipe penetrations with **ACTIS tape**.



- 5** Seal joints between walls and floors with **ACTIS tape**.

For further advice from ACTIS call the technical department on **01249 462 888** or email solutions@insulation-actis.com