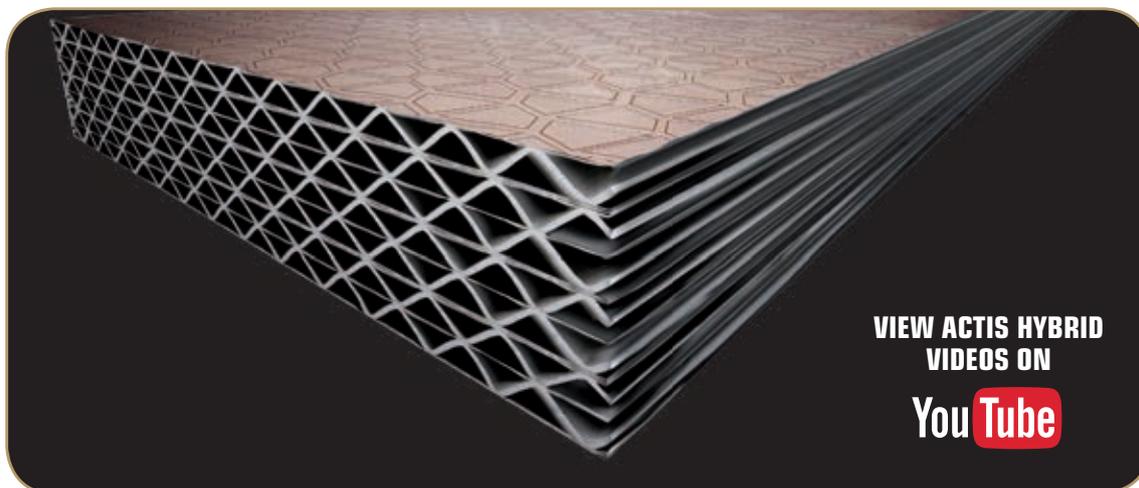


Hybris



General information

HYBRIS is installed with the embossed copper colour film facing the inside (warm side) of the building.

HYBRIS can be installed in timber frame (roof or wall) and at floor or ceiling level of the loft. It can be in direct contact with building components but its thermal efficiency will be improved with a minimum 20mm air gap on both sides (e.g. service void).

HYBRIS can be combined with other **ACTIS hybrid products** in order to comply with building regulations. It can also be installed with traditional insulation products such as foam board and insulated plasterboard.

Installation precautions

HYBRIS must be used in conjunction with a breather membrane or roofing felt.

- **HYBRIS** is usually associated with an independent and continuous vapour control layer such as HCONTROL HYBRID which will also ensure air tightness. Continuity of the vapour control layer is necessary between rafters and wall perimeters

HYBRIS 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.

CUTTING

HYBRIS is very easy to cut manually on a flat surface with an **ACTIS cutter**, an insulation knife or with an electrical alligator saw.

We recommend cutting **HYBRIS** as follows:

- 40mm wider than rafters and studs distance
- 20mm longer than distance between the top and the bottom rail

SINGLE LAYER APPLICATION

It is necessary to obtain a tight friction-fit within the rafters or studs.

For a pitched roof application it will also be necessary to staple the copper coloured film to the rafter.

HYBRIS STEP BY STEP INSTALLATION



How to insulate a pitched roof with HYBRIS?

Pitched roof

- 1 Measure between the rafters and cut HYBRIS with a knife or saw accordingly e.g. if rafters are 400mm centres, then cut **HYBRIS** 400mm wide.



- 2 Cut a 300mm long section of **HYBRIS** and install at the base of the roof with the internal structure of the product horizontally oriented.



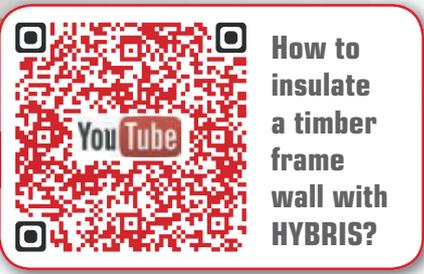
- 3 Roll out and push **HYBRIS** between the rafters, with the internal structure of the product now running vertically. Staple the copper coloured outer film to the side of the rafter.



- 4 All joints of **HYBRIS** must be taped. Repeat between all rafters.



HYBRIS STEP BY STEP INSTALLATION



Timber Frame Wall

- 1 Measure between the timber studs and cut **HYBRIS** with a knife or saw accordingly e.g. if studs are 600mm centres, then cut **HYBRIS** 600mm wide.



- 2 Roll down and push **HYBRIS** between the studs, it will 'friction fit' so no fixing is required.



- 3 The length of **HYBRIS** needs to be 20mm longer than the distance between the top and the bottom rail.



- 4 All joints of **HYBRIS** must be taped. Repeat between all studs.