

## Hybris



### General information

HYBRIS is an insulation material generally used for roof, wall, ceiling and suspended timber floor applications. HYBRIS is usually installed between structural members such as timber/steel frames. It can be in direct contact with building components but the thermal efficiency will be improved with air gaps associated with the product.

HYBRIS is installed with the embossed copper-coloured film facing the inside (warm side) of the building. HYBRIS is flexible and accurately fits all widths, held in place by compression and will not slump down.

The product should be installed in association with a suitable breather membrane or roofing felt. An independent and continuous vapour barrier may be required, however HYBRIS can act as a vapour control layer without the need for an independent VCL. This application requires taping of all joints with ACTIS tape.

HYBRIS can be combined with other ACTIS Hybrid products or with traditional insulation products such as foam board or insulated plasterboard.

HYBRIS is available in 1145mm wide panels and in a range of thicknesses from 50mm to 205mm. **One panel, prior to cutting for installation, is sufficient to fill the space between timber studs 2.4 metres high.**

### Precautions

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.

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



ACTIS cutter is recommended for cutting HYBRIS packaging.

# HYBRIS STEP BY STEP INSTALLATION

## Measuring

- 1 Before removing from the packaging, tap the panels down to ensure they are level before cutting.  
Measure between the timber studs and mark the Hybris pack approximately 5-10mm wider than the gap between the studs.



## Cutting

- 2 Keep HYBRIS in its packaging whilst cutting and ensure an accurate cut. HYBRIS can be easily cut with an insulation saw, standard hand saw or an electric alligator saw if preferred.

The polyethylene packaging is fully recyclable and can be quickly removed using an ACTIS cutter. Alternatively, a knife could be used, but care should be taken not to damage product.



# HYBRIS STEP BY STEP INSTALLATION

## Installing Hybris

### 3 Pulling

Hold both ends of the embossed copper-coloured face and pull the product open to its full length. Turn HYBRIS over and hold the silver-coloured face and repeat the pulling action.



### 4 Installation in a Timber Frame Wall

'Friction fit' by pushing the HYBRIS between the studs and up against the OSB - no fixing is required. Ensure that the embossed copper-coloured film is facing the inside (warm side) of the building.

Install the next panel as before and ensure a good fit between the two pieces of insulation and joint with timber. Repeat between all studs.



# FURTHER INSTALLATION ADVICE

## Trimming

If HYBRIS needs to be trimmed, the horizontal direction of internal structure makes it easy to cut accurately. The length of HYBRIS needs to be approximately 20mm longer than the height between horizontal timbers.



## Pipes and ducting

Make a cross-shaped cut in the copper-coloured face with a sharp knife, matching the diameter of the pipe. Put the pipe through Hybris and install the panel between the studs. Cut several strips of ACTIS tape and stick around the pipe overlapping each piece by approximately 1cm. If required, stick further pieces of tape on top of the first layer of tape, covering the joins.

Note: HYBRIS must not be in contact with heat sources above 80°C.



## Electric wiring

Create a hole through the HYBRIS panel from the copper-coloured face, using a sharp tool (e.g. screwdriver or sharp general-use knife). Thread the wire through the hole and place the HYBRIS panel between the studs. Cut two pieces of tape approximately 10cm in length. Stick the tape either side of the protruding wire, attaching the wire to the product.



## HYBRIS behind timbers (e.g. in a corner)

HYBRIS is very easy to install behind timbers due to its flexible structure. Simply push into place ensuring a good all-round fit.



For further advice from ACTIS call the technical department on **01249 462 888** or email [solutions@insulation-actis.com](mailto:solutions@insulation-actis.com)