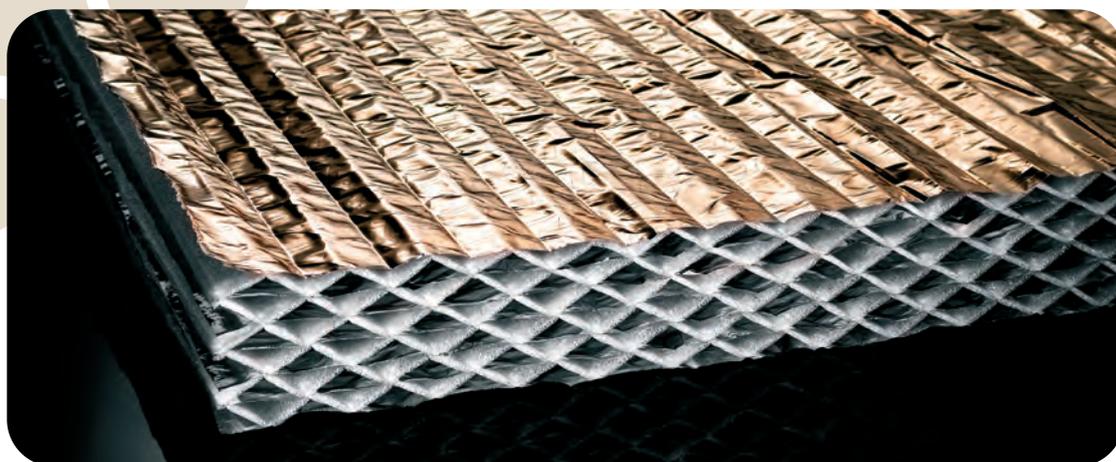


Hybris



Use on timber frame or masonry walls, pitched roofs, ceilings and suspended timber floors.

HYBRIS is an innovative and unique insulation product providing an excellent thermal performance.

The only reflective insulation in Europe to achieve Bronze Cradle to Cradle certification for its sustainability credentials.

HYBRIS is a reflective insulation product designed with a unique honeycomb structure made of shaped polyethylene foams glued to aluminium coated polyethylene foils. The large number of low emissivity cavities protect from dust and excessive air movement ensuring a high thermal performance. Moreover, the low emissivity external films provide additional thermal resistance, when associated with air cavities.

It can be used in conjunction with any type of insulation.



THERMAL PERFORMANCE



HIGH PERFORMANCE AIR GAP



THICKNESS
50 - 185MM



AIRTIGHT



VAPOUR BARRIER



ACOUSTIC PERFORMANCE



LIGHT



NO IRRITATING FIBRES

| PROPERTY | TEST METHOD | DECLARED VALUE |
|--|-------------------|---|
| Thickness | EN 823 | 50 to 185mm |
| Weight/m ³ | EN 1602 | 7.2 kg/m ³ |
| Length | EN 822 | 1200mm |
| Width | | 1145mm |
| DECLARED THERMAL PERFORMANCE | | |
| Thermal conductivity λ_0 | EN 16012 | 0.033 W/mK |
| Declared core thermal resistance | | 1.50 m ² K/W (50mm) to 5.65 m ² K/W (185mm) |
| Emissivity (inner/outer) after ageing | | 0.06/0.10 |
| TENSILE STRENGTH (BEFORE AND AFTER AGEING) | | |
| Longitudinal direction | EN 1608 | >45 kPa |
| Transversal direction | | >30 kPa |
| RESISTANCE TO TEARING, NAIL SHANK (BEFORE AND AFTER AGEING) | | |
| Longitudinal direction | EN 12310-1 part 1 | >150 N |
| Transversal direction | | >150 N |
| WATER VAPOUR TRANSMISSION | | |
| Permeability (W) | EN 1931 | <2,3 E-12 Kg/m ² .s.Pa |
| Vapour Resistance (Z) | | 450 MNs/g |
| Diffusion eq.air layer thickness (Sd) | | >90m |
| WATERTIGHTNESS | EN 1928 Method A | Watertight, W1 |
| AIR PERMEABILITY | EN 12114 | Airtight |
| HEAT CAPACITY | 2065 J/kg K | |
| REACTION TO FIRE | Class F | |



* For more detailed product information on Hybris please refer to our Hybris leaflet.