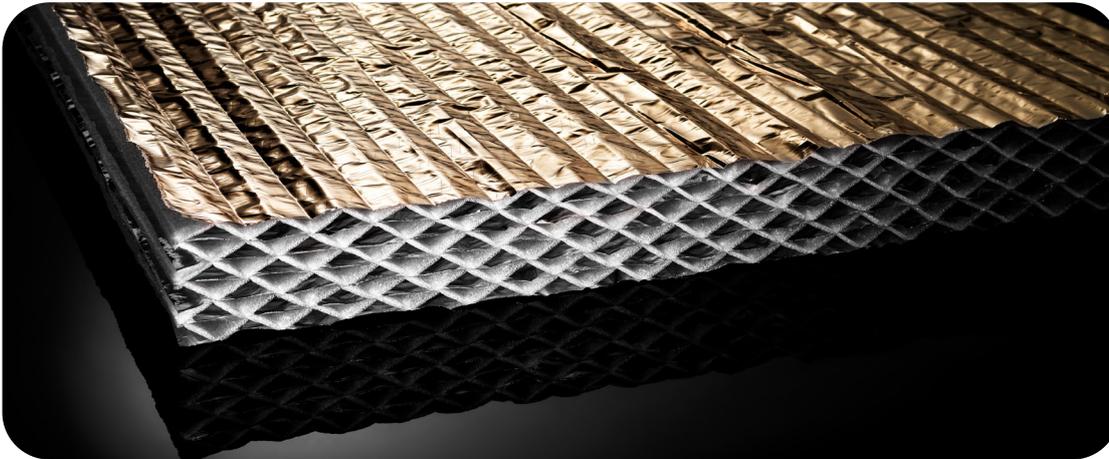


# Hybris



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.

HYBRIS is a reflective insulation product based on a honeycomb structure made of shaped polyethylene foams glued to aluminium coated polyethylene foils.

Its high thermal performance is provided by a special structure composed of a large number of low emissivity cavities, protected from dust and excessive air movement. Moreover, the low emissivity external films provide additional thermal resistance, when associated with air cavities.



THERMAL PERFORMANCE



HIGH PERFORMANCE AIR GAP



THICKNESS  
50 - 205 MM



AIRTIGHT



VAPOUR BARRIER



ACOUSTIC PERFORMANCE



LIGHT



DUAL PERFORMANCE

PROPERTY	TEST METHOD	DECLARED VALUE
Thickness	EN 823	50 to 205mm
Weight/m <sup>3</sup>	EN 1602	9.5 kg/m <sup>3</sup>
Length	EN 822	1200mm
Width		1145mm
<b>DECLARED THERMAL PERFORMANCE</b>		
Thermal conductivity $\lambda_D$	EN 16012	0.033 W/mK
Declared core thermal resistance		1.50 m <sup>2</sup> K/W (50mm) to 6.20 m <sup>2</sup> K/W (205mm)
Emissivity (inner/outer) after ageing		0.06/0.10
<b>TENSILE STRENGTH (BEFORE AND AFTER AGEING)</b>		
Longitudinal direction	EN 1608	>45 kPa
Transversal direction		>45 kPa
<b>RESISTANCE TO TEARING, NAIL SHANK (BEFORE AND AFTER AGEING)</b>		
Longitudinal direction	EN 12310-1 part 1	>150 N
Transversal direction		>150 N
<b>WATER VAPOUR TRANSMISSION</b>		
Permeability (W)	EN 1931	<2,3 E-12 Kg/m <sup>2</sup> .s.Pa
Vapour Resistance (Z)		450 MNs/g
Diffusion eq.air layer thickness (Sd)		>90m
<b>WATERTIGHTNESS</b>	EN 1928 Method A	Watertight, W1
<b>AIR PERMEABILITY</b>	EN 12114	Airtight
<b>HEAT CAPACITY</b>	2300 J/kg K	
<b>REACTION TO FIRE</b>	Class F	

