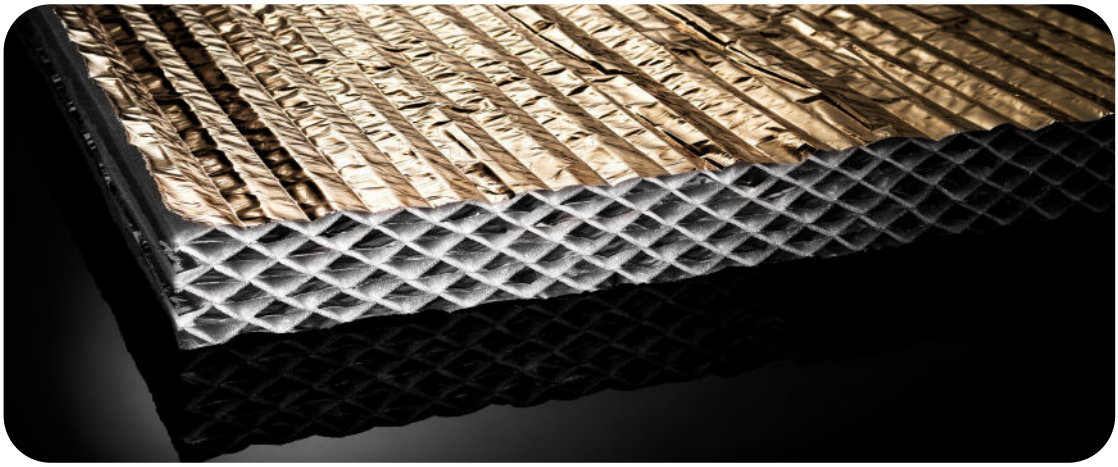
Hybris



WALLS

CEILINGS

ROOFS

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.

ETA ATE N° 13/0121

λ_D33 THERMAL PERFORMANCE

HIGH PERFORMANCE AIR GAP

THICKNESS 50 - 205 MM

AIRTIGHT

VAPOUR BARRIER

ACOUSTIC PERFORMANCE

LIGHT

DUAL PERFORMANCE

LABC Registered Construction Details

CE

PROPERTY	TEST METHOD	DECLARED VALUE
Thickness	EN 823	**50** to **205mm**
Weight/m³	EN 1602	9.5 kg/m³
Length	EN 822	1200mm
Width		1145mm
DECLARED THERMAL PERFORMANCE		
Thermal conductivity λ_D	EN 16012	**0.033 W/mK**
Declared core thermal resistance		**1.50 m²K/W (50mm) to 6.20 m²K/W (205mm)**
Emissivity (inner/outer) after ageing		**0.06/0.10**
TENSILE STRENGTH (BEFORE AND AFTER AGEING)		
Longitudinal direction	EN 1608	>45 kPa
Transversal direction		>45 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/m².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	2300 J/kg K	
REACTION TO FIRE	Class F	