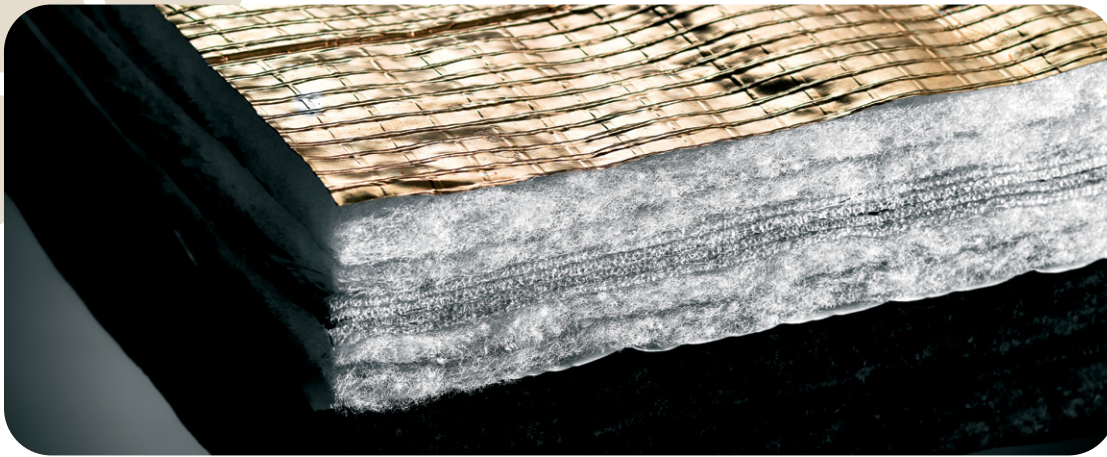


HControl Hybrid



HCONTROL HYBRID is a thin multifoil insulation product with a built-in vapour control function and an unrivalled thermal performance.

HCONTROL HYBRID provides dual performance within a single product: a vapour control layer and insulation, allowing a reduction in the number of installation steps whilst reducing the thickness of the main insulation to achieve the same required U-Value.

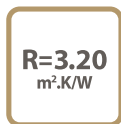
It can be used in conjunction with any type of insulation.



FLEXIBLE



VAPOUR
BARRIER



2 AIR VOIDS
OF 20MM



45MM +/-5MM



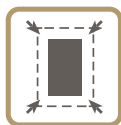
AIRTIGHT



LIGHT



AREA



SPACE SAVING



NO IRRITATING
FIBRES



COMPLIES WITH
EN 13984



PROPERTY	TEST METHOD	DECLARED VALUE
Thickness	EN 823	45mm +/- 5mm
Weight/m²	EN 1849-2	880 g/m²
Length	EN 1848-2	6.25m
Width		1.6m
DECLARED THERMAL PERFORMANCE		
R Value of HCONTROL HYBRID + 2 air cavities after ageing	EN 16012	Horizontal Heat Flow 3.20 m²K/W Upward Vertical Heat Flow 2.80 m²K/W
Core R-value		1.90 m²K/W
Declared Emissivity after ageing		0.06
TENSILE STRENGTH		
Longitudinal direction	EN 12311-1 & EN 13859-1 Annex C	>300 N/50mm
Transversal direction		>200 N/50mm
Elongation (Longitudinal)		>20%
Elongation (Transversal)		>5%
RESISTANCE TO TEARING, NAIL SHANK		
Longitudinal direction	EN 12310-1 & EN 13589-1 Annex B	>150 N
Transversal direction		>150 N
JOINT STRENGTH	EN 12317 - 2	>50 N/50mm
WATER VAPOUR TRANSMISSION		
Permeability (W)	EN 1931 set C	7.51 10 ⁻¹³ Kg/m².s.Pa
Vapour Resistance (Z)		≥1000 MNs/g
Diffusion eq.air layer thickness (Sd)		≥200m
WATERTIGHTNESS	EN 1928 Method A	Watertight (W1) to 2 kPa
AIR PERMEABILITY	EN 12114	Airtight
DURABILITY AFTER AGEING	EN 13984	Test sucessful
REACTION TO FIRE	NPD (No performance determined)	