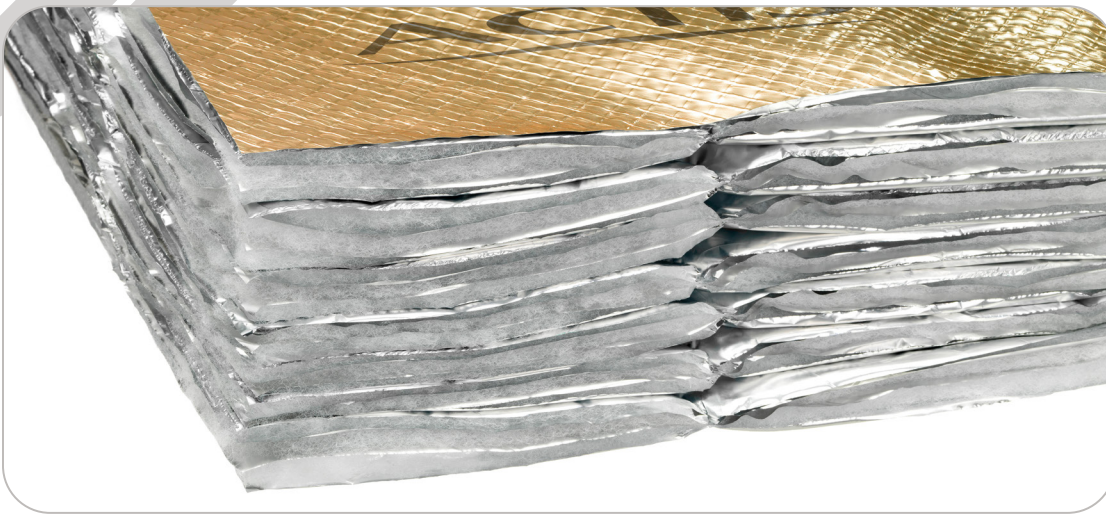


# Eolis HC



Use on the warm side of any insulation material, behind the internal finish in roofs and walls.

**EOLIS HC is a reflective insulation product with vapour control function for use on the warm side of thermal elements, behind the internal finish.**

Using Actis's new patented Triplex technology, the unique structure of **Eolis HC** is made up of several oval-shaped cavities, enclosed between several reflective films, providing an exceptional thermal performance and a durable insulation suitable for all climatic conditions. The fibres in the cells of the product trap air to improve thermal performance while limiting thickness.

Fire safety precautions and limitations of use apply to **Eolis HC** products. Please refer to product installation guidelines, fire safety information document and Building Regulation and industry guidance.



VAPOUR BARRIER



WITH 2 AIR VOIDS, HHF



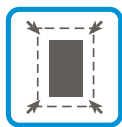
45 - 135MM



AIRTIGHT



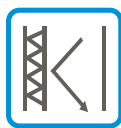
LIGHTWEIGHT



SPACE SAVING



DUAL PERFORMANCE



HIGH PERFORMANCE AIR GAP

PROPERTY	TEST METHOD	DECLARED VALUE
Thickness	EN 823 @3Pa load	135mm +/- 5mm
Compressed product thickness	EN 823 @20kPa load	7mm
Weight	EN 1602	8.5 kg/m <sup>3</sup>
Length	EN 822	8m
Width (triplex + lap)		1.5m + 0.1 m
<b>DECLARED THERMAL PERFORMANCE</b>		
Core thermal resistance	EN 16012	<b>4.35m<sup>2</sup>K/W</b>
Thermal resistance of product + 2 air cavities*		horizontal heat flow <b>5.67m<sup>2</sup>K/W</b>
Thermal resistance of compressed product		0.25m <sup>2</sup> K/W
Emissivity (inner/outer)		e=0.05 / 0.10
<b>TENSILE STRENGTH</b>		
Longitudinal direction	EN 12311-2 & EN 13859-1 Annex C	>250 N/50mm
Transversal direction		>150 N/50mm
<b>RESISTANCE TO TEARING, NAIL SHANK</b>		
Longitudinal direction	EN12310-1 & EN 13589-1 Annex B	>150 N
Transversal direction		
<b>PEEL STRENGTH OF TAPE</b>	EN 11339	>20 N
<b>WATER VAPOUR TRANSMISSION</b>		
Diffusion eq.air layer thickness (Sd)	EN 1931	>120m
Vapour resistance (Z)		>600MN/g
<b>WATERTIGHTNESS</b>	EN 13859-1	Watertight
<b>AIR PERMEABILITY</b>	EN 12114	Airtight
<b>REACTION TO FIRE</b>	EN 13501-1	Class F
<b>DURABILITY</b>	EN 13984	Test successful
<b>HEAT CAPACITY</b>		1580 J/kg.K
<b>VOC EMISSIONS TO INDOOR AIR</b>		BREEAM exemplary level

\*Calculated to BS EN 6946 with air gap of 20mm, horizontal heat flow.

