



HIGH PERFORMANCE EUROCLASS A2 INSULATION FOR BUILDING ENVELOPES & EQUIPMENT

Spaceloft® A2 insulation is a high-performance, flexible aerogel blanket engineered to meet residential and commercial building applications' demanding fire protection and energy conservation requirements.

Spaceloft A2 provides exceptional thermal resistance with minimal space consumption — euroclass A2 fire performance, extremely low thermal conductivity, excellent flexibility, hydrophobicity, and ease of use.

Spaceloft A2 is an ideal tool for architects and engineers seeking to address thermal bridge mitigation and fulfil performance requirements in space-challenged building fabric applications.

PRODUCT PROPERTIES AND SUSTAINABILITY

EUROCLASS FIRE PERFORMANCE	A2, s1, d0
THERMAL CONDUCTIVITY ¹	0.02 W/m.k
THICKNESS ¹	10 mm
WIDTH ²	1.52
COLOUR	White
WATER VAPOUR PERMEABILITY	$\mu \approx 6$
HYDROPHOBIC	Yes
ENVIRONMENTAL CHARACTERISTICS	Refer to Environmental Product Declaration
CE MARKED	Yes

¹ Thermal Conductivity measured at a compressive load of 13.8 kPa
² Nominal Value



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ADVANTAGES

SUPERIOR THERMAL PERFORMANCE

Up to five times better thermal performance than competing insulation products, ideal for low energy, passive, or zero-energy buildings.

REDUCED THICKNESS AND PROFILE

Equal thermal resistance at a fraction of the thickness, releases space for building occupiers and increases investment returns for owners/investors.

LESS TIME AND LABOR TO INSTALL

Easily cut and conformed to complex shapes, tight curvatures, and spaces with restricted access. Spaceloft A2 can be prefabricated to reduce installation times, less disruption for occupants.

PHYSICALLY ROBUST

Soft and flexible but with excellent springback. Spaceloft A2 can tolerate typical site mechanical abuse without compromising thermal performance.

SHIPPING AND WAREHOUSING SAVINGS

Reduced material volume, high packing density, and low scrap rates can reduce logistics costs by a factor of five or more compared to rigid, preformed insulations.

HYDROPHOBIC YET BREATHABLE

Spaceloft A2 repels liquid water but allows vapour to pass through, ideal for heritage applications or where a breathable design is desired. Spaceloft A2's hygrothermal characteristics are available on request for simulation software such as WUFI®

ENVIRONMENTALLY SAFE

Landfill disposable with no respirable fibre content.