

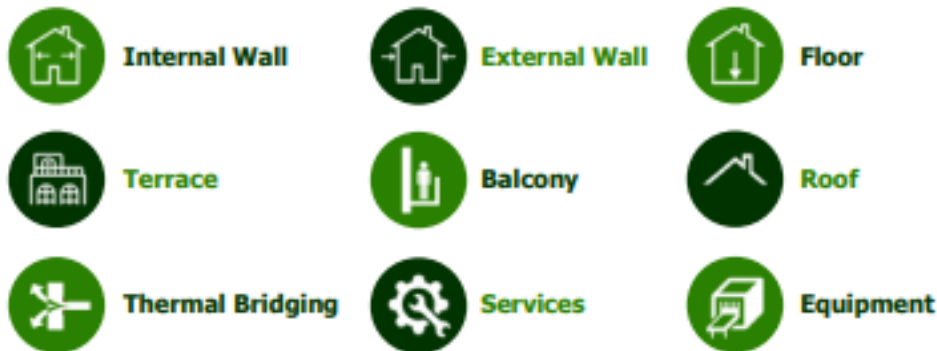
SPACELOFT

Flexible high performance insulation for building envelopes & equipment

Spaceloft is a flexible, nanoporous blanket insulation that reduces energy loss while conserving interior space in residential and commercial building applications.

Spaceloft's unique properties – extremely low thermal conductivity, superior flexibility, compression resistance, hydrophobicity, and ease of use – make it essential for those seeking the ultimate in thermal protection.

Using patented nanotechnology, **Spaceloft** insulation combines a silica gel with reinforcing fibers to deliver industry-leading thermal performance in an easy-to-handle and environmentally safe product. **Spaceloft** is a proven, effective insulator in building applications, providing the highest R-value of any insulation material for maximum energy efficiency in walls, floors, roofs, framing, and windows.



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 occupants 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** can be prefabricated to reduce installation times, less disruption for occupants.

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Physically Robust

Soft and flexible but with excellent spring back, **Spaceloft** 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 – Hygrothermal risk assessments

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

Environmentally Safe

Landfill disposable, shot-free, with no respirable fiber content.

Product properties and sustainability

Thicknesses ¹	10 mm
Width ²	1,475 mm
Thermal conductivity ²	15.0 mW/m-K
Color	Grey
Euro fire performance	C,s1,d0
Water Vapor Transmission	$\mu \approx 5$
Hydrophobic	Yes
Environmental characteristics	Refer to environmental Product declaration
CE Marked	Yes

¹Nominal values

² Thermal conductivity measurements taken at compressive load of 2 psi
Other thicknesses available on request