



- New Build
- Renovation
- Conservation
- Thermal Bridge Elimination
- Space Saving
- Passive House
- Low Carbon Construction
- Upgrade

Save Space ■ Save Time ■ Save Energy

# Spaceline



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

Spaceline's unique properties – extremely low thermal conductivity, superior flexibility, breathable, waterproof, and ease of use – make it essential for those seeking the ultimate in thermal protection.

Using patented nanofoam, Spaceline insulation combines a silica aerogel with reinforcing fibers to deliver industry-leading thermal performance in an easy-to-handle and environmentally safe product.

Spaceline is a proven, effective insulator in building applications, providing the highest R-value of any insulation material for maximum energy efficiency.

## **■ Floor Insulation**

Spaceline offers an ideal upgrade for cold floors, a 10mm layer will eliminate the thermal bridge to the subfloor. Spaceline can be laid directly onto concrete and is compatible with wooden floors when used with an appropriate sealed separating layer. If lack of space has prevented you from upgrading your floor insulation in the past, discover ultra thin Spaceline.



## **■ Internal Wall Insulation**

Spaceline offers an excellent insulated dry lining option for rooms where conventional insulation thicknesses would encroach into valuable living space. Choose from gypsum or magnesium silicate lining boards for impact resistance and improved fire performance. Gain up to 77% improvement in U Value with only two 10mm layers of Spaceline.

## **■ External Wall Insulation**

Choose Spacewall where conventional external insulation cannot be specified due to thickness or breathability considerations. Spacewall can be

finished in traditional Lime, Acrylic or Mineral Render (XTR) and Brick Slip (XTB) finish.

Spacewall can also be used to complement conventional external insulation systems in areas where thin sections are desirable such as window and door reveals or where overhangs are minimal.



*20mm Spaceline up to 77% improvement in Wall U value*

 **SpaceWall<sup>XTB</sup>**

 **SpaceWall<sup>XTR</sup>**



## Heritage and Conservation

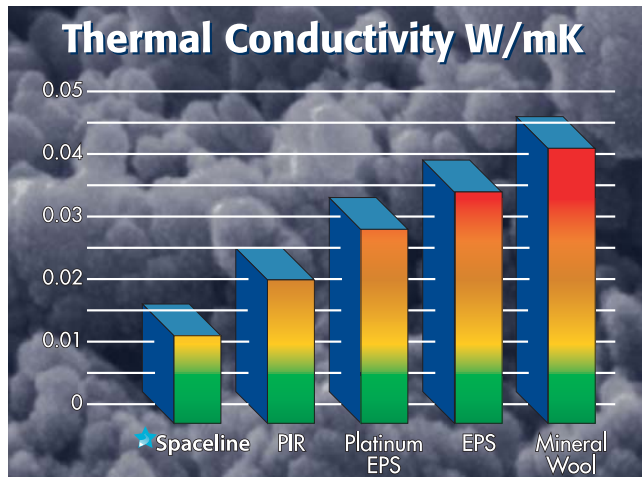
Spaceline is particularly suited to heritage projects. The thin flexible blanket can easily be shaped to match imperfections in wall profiles, the character of the original building can be maintained. As Spaceline is breathable it will not impede the ability of the wall to breathe. The thin section allows conservation specialists to upgrade the thermal performance of the structure without impacting on the building's character.

## Thermal Bridging

Whether you choose to build to current standard, passive house or low carbon standard, the problems associated with



thermal bridging must be addressed. Spaceline meets many of these challenges, problem areas such as bridging through metal lintels, steel support posts, reveals etc can all be solved with ease. Eliminate thermal bridging through timber or stud frames with a section of Spaceline. Eliminate cold sections on timber doors, wrap water piping & ducting or upgrade your flat roof, the applications are endless.



The ultra thin,  
flexible and  
durable high  
performance  
insulation

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### Technical Specifications

	Spaceline
Colour	White
Operating Temperatures	-200° to 200° C
Thermal conductivity	0.014 W/mK
Vapour Resistivity (ISO 12572)	5 to 5.5mu
Hydrostatic Head	83cm
Compressive Strength	53kPa at 10%
Embodied CO <sub>2</sub>	5.4 kg / m <sup>2</sup>
Thickness Available	10mm
Material Form	Roll 1450mm (57") wide
Density	150kg/m <sup>3</sup> (9.4lb/ft <sup>3</sup> )
Fire Rating	C
Classification	M1 Finland, BASTA Sweden

aspen | aerogels™

For more information about Spaceline or Industrial Aerogel blanket insulation please visit:  
[www.spacelineinsulation.com](http://www.spacelineinsulation.com)

# ThermiSol



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