

INNOVATION BUILT ON EXPERIENCE

## Spacetherm FAQ

**Q = What is Spacetherm?**

A = Spacetherm is a fibrous matting impregnated with silica aerogel.

**Q = What is its K factor?**

A = Spacetherm has a K-factor of 0.013-0.014 W/m<sup>2</sup>K

**Q = What is Spacetherm laminated to?**

A = Spacetherm blankets are currently laminated to Fermacell, Plasterboard, Chipboard.  
It can also be supplied on its own in sheet form.

**Q = What is the standard sheet sizes?**

A = Spacetherm is supplied in sheets 2400mm or 1200mm long & 1200mm wide.  
Other sizes can be cut from these sizes if requested.

**Q = How thick is Spacetherm?**

A = Spacetherm comes in sheets 5mm & 10mm thick. These can be laminated together to achieve a predetermined thickness.

**Q = What is its fire performance?**

A = Fermacell has a European A2 Classification and Spacetherm's insulation blanket has been tested to Fire classification EN 13501-1 rated = C.

**Q = How old is Spacetherm?**

A = Spacetherm in its current state has been used in the Petrochemical / Off shore industry for around 7-8 years. We are taking its high thermal performance and introducing it into construction applications.

**Q = Are there any problems with condensation?**

A = Spacetherm is hydrophobic by nature and does not pick up moisture. It has also been tested for fungal growth and is fungi resistant. As per ICOND condensation risk analysis, the use of a VCL reduces the risk of potential condensation on solid wall constructions.

**Q = How do you fix the product?**

A = Spacetherm laminates should be mechanically fixed with concrete screws, hammer screws and plasterboard screws dependant on substraat, contact us for further information.

**Q = Can the product be fixed with adhesive dabs?**

A = No the product must be mechanically fixed to any given substrate.



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## Spacetherm FAQ Continued

**Q = Can I install it myself?**

A = If you are competent at DIY then the product can be installed easily by following the installation guidelines or seeking extra advice from our Technical Centre.

**Q = Is Spacetherm hazardous?**

A = The product has been tested and has been classified as a non irritant.

**Q = Does the product lose any of its thermal performance over time?**

A = No, Spacetherm has been subjected to accelerated ageing tests and results show retained thermal performance for more than 50 years.

**Q = Does the product have certification?**

A = This product is covered by BRE Certification. Spacetherm is also now registered as an energy saving measure by Ofgem.

**Q = Is it an Eco friendly product?**

A = Yes, the product does not use any blowing agents during the manufacturing process. The heat generated during this is steam and is recycled back into the factory to keep it warm. Fermacell is manufactured using 100% recycled materials.

**Q = What is the ozone depletion potential?**

A = Spacetherm has a zero ozone depletion potential & a global warming potential figure of less than five.

**Q = What is the working temperature of Spacetherm?**

A = Spacetherm can be used up to a maximum of 200°C

**Q = Can I get funding for the installation and cost of Spacetherm?**

A = Your project may well be eligible for funding when installed on solid walls however one of our team will need to discuss this with you in further detail, please contact us.

**Q = Why should I use Fermacell as a facing and not plasterboard?**

A = The use of Fermacell in this application is a more durable and robust solution as per BS5234 therefore increasing the life expectancy of the finished internal wall.