



WALLTITE®

The airtight insulation solution



Sea King, Central Scotland Best Practice Case Study

As featured on Channel 4's
'George Clarke's Amazing Spaces



 **BASF**

We create chemistry

Sea King, Central Scotland Best Practice Case Study



Project data

The project: Sea King - Mains Farm Wigwams, Thornhill, Central Scotland
Client: Louise & Martyn Steedman
Spray Foam Contractor: Eco Insulate Ltd
Scope of project: Conversion of former military helicopter into 'glamping' accommodation
Year Completed: 2016
Product used: WALLTITE® CL100 spray foam insulation

Project description

This Sea King project arose when the owners of Mains Farm Wigwams decided to add a novelty twist to their camping and glamping park, in the form of an old naval helicopter. After snapping one up at auction, they completely stripped it out and transformed the inside into snug and quirky self-contained accommodation for a family of five.

Visitors to this beautiful spot on the edge of the Trossachs National Park can now lodge in the refurbished Sea King. Undoubtedly Scotland's most unusual place to stay, the project was featured on Channel 4's 'George Clarke's Amazing Spaces'.

Challenges

With the internal height and width restrictions, it was important to find a way of insulating and lining the fuselage that didn't encroach too much on the available space. The irregular surface and curvature meant board insulation would have been completely inappropriate, as it would have left gaps where condensation could form.

The other big consideration was that, because guests would essentially be staying in a large metal box, the insulation had to effectively protect against the inside getting too hot in the summer and too cold in the winter.

Finally, there was the surface. Being a former military helicopter, the inside was completely coated in grease, which would have to be removed to ensure anything applied to the surface would adhere properly.

The solution

WALLTITE® is a spray-applied foam insulating system that provides a seamless airtight solution. Because it is sprayed

in liquid form, which then expands into foam on contact, it can be applied to any irregularly-shaped surface. It was perfect for the unusual shape of the helicopter and easily addressed all the redundant electrics and pipework that remained after the military equipment and fittings had been stripped out.

WALLTITE® was applied in the tail section and to the majority of the fuselage, up to the cockpit. Sprayed to a depth of around 70mm, WALLTITE® will provide highly effective insulation and a good airtight seal for the main body of the accommodation, ensuring condensation will not be an issue.

Specifier quotes

According to Colin Davidson, Surveying & Estimating Manager for Eco Insulate Ltd., WALLTITE® was the ideal solution and he was pleased with the result. "This is certainly an unusual project for us", said Colin, "but it's a great demonstration of how versatile the product is. It's got into every little corner and has stuck to the shape and finishes really well."

Louise Steedman, Owner at Mains Farm Wigwams, was impressed with how quickly the team applied the insulation. "I thought it might take a couple of days, but it was all finished in under 6 hours. And because the foam just perfectly filled the gaps in the recessed areas, we didn't lose any useable space, which we would have done if we'd had to board it out."

Applicator

WALLTITE® is only supplied via approved Foam Master contractors who have received the technical training and back-up from BASF to provide the highest standards of insulation. In this case, the contractor was Lockerbie-based Eco Insulate Ltd.



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