

Websters Insulation Ltd

Case Study – Kingsford homes

Contractor: Kingsford Homes

Location: The Spires - Brayton, Nr Thirsk, North Yorkshire

Property: Two domed roof sections to change of use building

Our client approached us with a view to insulating the two domed sections of an old water works that was being converted into a living space. The unique shape meant that the installation of traditional insulation like insulated boarding or quilting would be extremely difficult given the curved shape of the structure.



It soon became apparent that spray foam insulation was the perfect solution, given that it can be applied to almost any surface and contour, while still being the most efficient insulator per thickness. Our engineers made a careful job of spraying the foam in layers to build up to the required thickness of 50mm onto the underside of the concrete surface, to give a smooth surface, which was then rendered to produce a perfectly smooth finish, ready for painting.

The render used was a bonding plaster, available from most hardware stores or building suppliers. The client was advised by us to use a brand called Thistle Bonding Plaster, otherwise known as Carlite Bonding Plaster. A typical 25KG bag is around £7.00.

