



Hambleside Danelaw Ltd
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Factory energy bills slashed by insulated roof specification

Roofing products manufacturer Hambleside Danelaw is saving thousands of pounds on energy bills at its new Daventry factory after specifying the installation of insulated roofing panels and rooflights for the building's construction.

Despite the big rise in electricity and gas prices over the past 18 months, the company has been enjoying savings of up to £2,800 per month on energy at its 50,000 sq. ft. factory in comparison with the bills at its old thermally inefficient premises in the East Midlands.

Hambleside's analysis of its energy bills would appear to underpin recent anecdotal evidence from the United States that because of the potential savings for the occupier, green buildings could achieve 5-10% higher rents over the long term and command a 15% premium in capital values.

The roof of the Daventry factory has been fitted with Hambleside Danelaw's Insulator GRP Rooflight System. The roof and wall have been clad using Corus Colorcoat HPS200[®] (now superseded by Colorcoat HPS200 Ultra[®]) and Colorcoat Prisma[®] pre-finished steel respectively. The use of these products as part of Colorcoat[®] assessed cladding systems means the building can now boast that it benefits from Confidex Sustain[®], the world's first Carbon Neutral building envelope.

Chris Avery, Hambleside Danelaw's managing director, said: "In the midst of a downturn, the economic case for specifying energy-efficient and sustainable roofing materials has become as equally important as climate change considerations. Suppliers, architects, specifiers and builders, who might be looking for short-term savings in construction costs, need to understand that we all ultimately benefit if clients are made happier by the energy savings that will accumulate significantly over many years."

Hambleside Danelaw and the building's designers specified Corus products because of steel's sustainability and 'whole life' attributes, including the fact that it can be recycled indefinitely without loss of property or performance.

In keeping with Hambleside's strong environmental credentials, which incorporate a highly respected independent carbon offset arrangement with dcarbon8, the Insulator rooflights cover approximately 20% of the roof area. Insulator rooflights are insulated using an 80mm transparent honeycomb core to provide a U value of 0.8 W/m²K. This allows for considerable reduction in energy costs, such as heating and air conditioning. In addition, the

enhanced levels of natural light coming through reduces the need for artificial lighting, further cutting energy costs.

ENDS

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Notes to editors

1. Hambleside Danelaw manufactures roof ventilation products at the new Daventry factory, as well as assembling the final stages of its Insulator rooflights which won a Queen's Award for Enterprise: Innovation in 2006. Opened in September 2007 and owned by Daventry District Council, the factory occupies an area of approximately 50,000 square feet and employs 65 people. The building incorporates the very best in environmental management systems. Hambleside Danelaw is a member of dcarbon8, the carbon solutions group which encourages clients and end users to choose materials which will help to achieve a sustainable, economical and responsible method of reducing carbon emissions. More information is available at: www.hambleside-danelaw.co.uk.
2. Corus Panels are pre-finished with Colorcoat and supported by Confidex Sustain. The environmental benefits of Colorcoat products are already established, in that they are fully recyclable and require no maintenance for periods of up to 40 years, making them inherently safe and, in the long term, cost-efficient products. Other sustainability initiatives by Corus Colors include improved product formulations which deliver the longest periods of durability therefore increasing the life of the pre-finished steel. Corus Colors have also removed environmentally undesirable elements such as heavy metals, organatins and phthalates from Colorcoat. In addition, Colorcoat® products manufactured in the UK are certified to the independently verified international management system ISO14001. More information is available at: www.corusgroup.com.
3. Corus has been working over a number of years to make their Colorcoat® premium products the most sustainable pre-finished steel products on the market. The introduction of Confidex Sustain® supports this approach and further enhances their sustainability credentials along with the sustainability credentials of buildings such as the Daventry factory. Corus has produced a full environmental profile for Colorcoat HPS200® Ultra and Colorcoat Prisma®. Each of the cladding systems manufactured by the Colorcoat® supply chain partners has also been assessed to verify their composition and carbon emissions. This information is published in an environmental product declaration for each system, and provides the basis for Corus to reduce to zero Carbon Dioxide (CO₂) emissions. Under Confidex Sustain, every 1kg of CO₂ emitted by a system will be offset in climate friendly projects overseas.