



**Hambleside Danelaw**  
Building Products

**Hambleside Danelaw Ltd**  
**Press Release for 100% Detail Show**  
**Thursday, 21 September 2006**

## **Energy savings and increased natural light are hallmarks of new Insulator In-Plane 45 high visibility rooflight**

Safety concerns about rooflights should become a thing of the past with the arrival of Hambleside Danelaw's new In-Plane 45 high visibility rooflight, part of the Insulator range which was recognised by the Queen's Awards for Enterprise: Innovation earlier this year.

In-Plane 45 is the first GRP rooflight to incorporate a specialist colouring agent, not in the form of the usual pigment, which allows the rooflight to stand out very clearly for safety purposes without impacting on light transmission. Latest design advances deliver:

- an unparalleled 45 year service life
- potential 115% energy cost savings on the regulatory benchmark
- a substantial cut in carbon emissions and
- 25% brighter light distribution than traditional triple-skin systems.

Launched at the 100% Detail show at Earl's Court in London, In-Plane 45's arrival on the market is proof that a rooflight area of 20% for industrial buildings is now a feasible, realistic and cost-effective proposition for improving levels of natural daylight and reducing the daytime need for artificial lighting. Increases in natural light can lead to improved workforce productivity and, according to research, boost retail sales.

In-Plane rooflights are sold as a single system with the weather sheet and liner together. All the specifier has to do is to ask for a preferred U-value, which can be as low as an unprecedented 0.8 W/m<sup>2</sup>K, and Hambleside Danelaw will supply the system to match.

The product's thermal and safety standard advantages make In-Plane 45 the ideal rooflight solution for refurbishment purposes as well as new build. Hambleside Danelaw can take back for recycling its own and other suppliers' rooflights at the end

of their service life where refurbishment work specifies the installation of the Group's products.

### **Safety issue solved with high visibility and non-fragility combined**

Hambleside's technicians have developed new materials and manufacturing methods for the Insulator range, which involved the intrinsic re-design of the reinforcement elements used within the typical GRP rooflight. The result provides total assurance relating to In-Plane 45's non-fragility status throughout its service life.

The specialised colouring agent in In-Plane 45 makes the product even safer by allowing the rooflight to stand out very clearly against the background of the metal profile. Whilst it does not affect the translucency of the rooflight, the colour has the ability to create the illusion of becoming opaque when viewed at certain angles, providing a clear visual warning and making the task of roof maintenance that much easier.

### **Helping to tackle climate change**

The Insulator rooflights are extremely effective in limiting carbon emissions through a building's heat loss. The Carbon Trust estimates that they can deliver 24 tonnes of CO2 savings each year for a typical industrial building, incorporating rooflights, with a roof area of 10,000m<sup>2</sup>.

Commenting on the launch of In-Plane 45 at the 100% Detail show, Hambleside Danelaw's vice chairman, Robin Jeffery, said:

"In-Plane 45's arrival on the market puts paid to the out-of-date perception that GRP rooflights are inherently unsafe. Hambleside's innovative combination of high visibility and non-fragility attributes in its rooflight range means that specifiers can pay more attention to saving their clients money by recommending our energy-efficient solutions.

"The industry now has access to an all-in-one rooflight system that ticks all the boxes on the environment, safety in the workplace and sustainability. The building occupier will be happier too with smaller heating bills and a more productive workforce working under improved natural light."

Hambleside Danelaw is stressing that the Insulator range is not just aimed at installation on industrial buildings or large retail outlets. Architects facing the challenges of open plan working, increased IT equipment and air conditioning in offices will want to look at Insulator's energy-saving attributes while specifiers will

know that the Government has now set out a series of measures to limit carbon emissions from schools, hospitals and other buildings in the public sector estate.

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#### **Notes to editors**

1. The estimated service life of 45 years of the Insulator In-Plane 45 rooflight has been independently verified by IMPACT Laboratories Ltd ([www.impact-labs.co.uk](http://www.impact-labs.co.uk)). IFT Rosenheim in Germany ([www.ift-rosenheim.de](http://www.ift-rosenheim.de)) has verified the U-value ratings for the range which can vary from 0.8 W/m<sup>2</sup>K to 1.6 W/m<sup>2</sup>K according to the system chosen.
2. Approved Documents L2A and L2B of the Building Regulations (April 2006) lay down a maximum U-value of 2.2 W/m<sup>2</sup>K, which means that In-Plane 45 achieves significant energy savings and carbon emission reductions substantially in excess of the legal requirements. For a 10,000m<sup>2</sup> building with 15% rooflight area at the 0.8 U-value, energy savings of £25,000 per year can be realised when compared to a traditional non-insulated double-skin GRP rooflight with an elemental 3.3 U-value, or savings of £11,000 when compared with a just regulatory compliant rooflight with a 2.2 U-value. More information, including a pdf version of the marketing brochure, about the Insulator and In-Plane 45 range of rooflights is available at [www.hambleside-danelaw.co.uk](http://www.hambleside-danelaw.co.uk).
3. The National Association of Rooflight Manufacturers ([www.narm.org.uk](http://www.narm.org.uk)), in collaboration with De Montford University, will shortly publish a report on designing with rooflights in the light of the amended Building Regulations, which will state that a rooflight area of 20% for industrial buildings is entirely feasible. It is also expected to provide further evidence that rooflights play an important part in the reduction of energy use and the provision of natural light to the workplace.
4. Hambleside Danelaw Ltd ([www.hambleside-danelaw.co.uk](http://www.hambleside-danelaw.co.uk)) manufactures Glass Reinforced Polyester (GRP) rooflights and other roofing and ventilation products in Daventry and Inverness. As part of the Hambleside Danelaw Group with headquarters in Waterlooville in Hampshire, its turnover is currently in excess of £10 million a year and it employs almost 90 people. The group was established in 1975 with its first factory at Inverness for manufacturing GRP products becoming operational in 1978. The factory has won three Green Apple awards and a VIBES commendation for its efforts to reduce its environmental impact and has attained BS 14001:2004 in recognition of its environmental management systems. In 1992, the company began producing in Daventry non-GRP products primarily for roof and cavity wall ventilation. This year, the company has won a Queen's Award for Enterprise: Innovation for its Insulator GRP thermally efficient rooflight and a Business Commitment to the Environment award.
5. At 100% Detail, Hambleside Danelaw Ltd is also launching in the UK the FiberTite® roofing membranes that have set industry standards for reliability and durability in the US market (see separate press release). FiberTite® represents a significant addition to Hambleside's roofing materials portfolio.