

Howarth Timber's Supply Air Window At Ecobuild



Howarth Timber (Windows & Doors) Ltd is one of the UK's leading manufacturers. Origins of the company go back to the 1840s when it traded under Hudson & Co. Howarth supports worldwide environmental policies and was a founder member of the Forests Forever Campaign that encourages the use of sustainable timber resources. The company is also a founder member of the British Woodworking Federation's Timber Window Accreditation Scheme and all windows are manufactured within the guidelines of the scheme, which incorporates third party quality inspection by BSI Kitemark and product

guarantees. Research and development is key to Howarth's success. The latest innovation is the carbon reducing Supply Air Window that was showcased at the Ecobuild Exhibition. The window system has been developed in partnership with The Carbon Trust and Cambridge University. Cambridge University's Professor Mike McEvoy led the development of this carbon reducing system, which works alongside the Dwell-Vent passive stack ventilation system. For further information, telephone Howarth Timber (Windows & Doors) Ltd on 01469 530 577 or visit www.howarth-timber.co.uk.

MAKE SPACE FOR THE MICOCUBE



Our buildings are responsible for over 45% of carbon emissions. Internationally, Climate Change concerns have resulted in urgent steps being taken to improve the energy efficiency of our buildings. New European Directives and radical revisions in the UK Building Regulations have set the scene to achieve these improvements. This in turn is forcing the heating industry to radically review the way it delivers heating and hot water. Much as we may have become accustomed to them, conventional gas or oil fired boilers and direct electric heating systems simply cannot offer the operating efficiencies necessary to meet the critical carbon emission reduction targets. Space Air, working closely with Daikin, has assembled an impressive range of heat pumps that offer a wide choice of alternatives to conventional heating systems, which in turn offer substantial energy savings. The all

new, air-cooled, inverter controlled, Micocube Heat Pump is the latest addition to the range. Designed principally for the residential market, the Daikin Micocube comes in just one unit size (190mm wide x 805mm high x 360mm deep), three heating capacity models, 6, 7 and 8.5kW. This compact, low maintenance, near silent, mono-block system, albeit positioned outside the property has the capacity to simply replace the need for a conventional space/water-heating boiler. As no refrigerant pipe-work connections are involved, it is not essential or it to be installed by a refrigeration or air conditioning specialist. All one has to do is connect the single-phase power supply and plumb the Micocube into the water system. For further information, telephone Space Airconditioning plc on 01483 504 883, email info@spaceair.co.uk or visit www.spaceair.co.uk.

MODEL BEHAVIOUR

A new method of counting; costing; and reducing CO₂ emissions from cities across the UK has been developed by a researcher at Oxford Brookes University. The Oxford Institute for Sustainable Development (OISD) at Oxford Brookes University was demonstrating DECoRuM, a GIS-based model developed by Dr Rajat Gupta at this year's Ecobuild exhibition. With the threat of global climate change ever-increasing, sustainability is a hot topic. OISD provides a professional research and consultancy service to help local authorities, energy advisers and the property industry to report, monitor and improve the energy efficiency of both public and private housing, as required by the Home Energy Conservation Act. Dr Rajat Gupta, Research Fellow at OISD has developed DECoRuM, which estimates current energy-related CO₂ emissions from existing UK dwellers, aggregating them to a street, district and city level. DECoRuM evaluates the costs for the domestic CO₂ emission reductions by deploying a range of best practice energy efficiency measures, low carbon systems and renewable energy technologies on an urban scale. The model was successfully tried and tested in a case study in Oxford. Dr Gupta said: "The DECoRuM model uses a locally relevant approach and well-established methodologies to ensure credibility for carbon emission reduction planning in cities. I hope it can help us avoid the worst impacts of climate change and help the survival of mankind." For further information, telephone the Oxford Institute for Sustainable Development on 01865 484 215.

