

## Globe Academy gets a sound solution

Ceilings at the Globe Academy, London



CMS Acoustics has delivered a fully bespoke sound control system at the Globe Academy in Southwark to reduce reverberation and reflected sound in classrooms, ensuring compliance with BB93 regulations.

A total of 1,548m<sup>2</sup> of 50mm ply backed SuperPhon acoustic panels, pre-cut to specific requirements, had to deliver Class A sound absorption and accommodate

the ducts and vents on the walls of each classroom.

With each of the 600 panels unique in size, acoustic panels were designed to line up with soffit junctions. Additionally, to allow the school's maintenance team access to the HVAC system, every panel was detachable and demountable. The prefabrication and delivery of the SuperPhon acoustic panels was completed within

two months to ensure no delays to the overall building programme.

SuperPhon acoustic panels reduce noise by absorbing sound at the surface and by impeding sound transmission through an element of the structure. To create a high quality decorated finish, the panels are covered with an aesthetic fabric; in this instance CMS sourced a recycled hessian fabric from America.

## Knauf internal wall insulation cuts CO<sub>2</sub> emissions in half

Knauf Insulation has completed a low energy whole house refurbishment to a mid Victorian terrace in Doncaster, which included the use of its internal wall insulation (IWI) system.

The system has helped deliver a reduction of 52 per cent in CO<sub>2</sub> emissions, energy savings of approximately £400 per year, as well as increased thermal comfort for the homeowner.

Knauf Insulation's IWI system requires no specialist skills or equipment to install and it is simple to maintain. The system can upgrade a property to current Building Regulation thermal standards and beyond, consisting of composite thermally engineered studs (EcoStuds) and insulation slabs (Earthwool EcoBatt), which can be combined to provide greater thicknesses of thermal insulation than achievable by using a single thickness.

For further information visit [www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)



IWI system at Doncaster

## New SAS Direct HQ opens

SAS Direct, an SAS International Group company, has opened its new HQ in Reading to support its nationwide network of depots.

The HQ will oversee all SAS Direct activity with a dedicated team offering product and technical advice. Serving as the central warehouse and distribution centre, the SAS Direct team at Reading will ensure that customers can purchase products from a substantial stock at depots for both pick up and next day delivery throughout the UK.

SAS Direct depots are located in Leeds,

Burgess Hill and Birmingham. Recently the SAS Direct team expanded with the appointment of Paul Golden as managing director and Tim Horrocks as the national sales manager, bringing with them a wealth of industry experience.

The SAS Direct product portfolio consists of metal ceiling systems, partitioning and doors along with associated ranges including plasterboard and dry lining products.

For more information visit [www.sasint.co.uk](http://www.sasint.co.uk)



Kingspan Kooltherm has been used to help transform four small dwellings into affordable, sustainable modern homes

## Kingspan insulation for showcase eco-refurbishments

Kingspan Kooltherm has been used in a Sheffield City Council housing refurbishment scheme, which has set out to transform four ordinary small terraced dwellings into beacons for affordable, sustainable modern living.

In Page Hall, Sheffield, four empty properties have undergone three different refurbishment schemes: The Eco Terrace; The 21st Century Terrace and Twice the Terrace.

Dave Hardwick, senior architectural assistant at Sheffield City Council, said: "Exterior insulation was out of the question as the terraces are straight on to the pavement. However, interior room space was an issue in the small terraced houses, and Kingspan Kooltherm products were selected as they achieved the U-values we wanted with minimum thickness."

Just 62.5mm Kooltherm K18 Insulated Plasterboard was sufficient to achieve the required U-value of 0.30 W/m<sup>2</sup>.K for the walls of both the 21st Century Terrace and in Twice the Terrace, without impinging excessively on the limited internal space.

Kingspan Kooltherm K7 pitched roof board was used in the roof of these properties. In Twice the Terrace, the sloping soffits to the attic bedroom had 100 mm Kooltherm K7 pitched roof board installed between the rafters, which were then drylined with 37.5mm Kooltherm K18 Insulated Plasterboard. 140mm Kooltherm K7 pitched roof board in two layers achieved a U-value of 0.16 W/m<sup>2</sup>.K for the dormer and attic roof areas.

For the 21st Century house the sloping soffits to the attic bedroom were treated slightly differently with 125mm Kooltherm K7 pitched roof board between the rafters, under-drawn with 12.5mm fireliner board and skim.

For further information visit [www.insulation.kingspan.co.uk](http://www.insulation.kingspan.co.uk)

## Hilti offers tool checks

Hilti has introduced a free-of-charge health and safety check for its tools, along with bit and chisel services at its 21 Hilti Centres nationwide

According to Hilti the service can reduce downtime, avoid unnecessary repairs, increase productivity and ensure customers get back on site as quickly as possible.

Customers are helped to understand how Hilti's features can improve safety and reduce risk, including Active Vibration Reduction (AVR). AVR is a technology which lowers vibration for higher productivity.

Hilti claims a number of benefits for AVR: up to three times lower vibration compared to conventional tools, longer permissible operation times, significantly higher daily productivity and protection against the effects of long periods of vibration exposure.

Visit [www.hilti.co.uk/hilticentre](http://www.hilti.co.uk/hilticentre) to locate your nearest Hilti Centre.