

London Build Expo 2015 – Blog contribution

Specify high performance insulation at London Build 2015

The growth in construction throughout the south of England and London, has seen a significant increase in the demand for high performance, proven acoustic and thermal insulation solutions. Modern developments in London are traditionally pleasing on the eye, however at Collecta we champion a “it’s what’s inside that counts” philosophy encouraging specifiers, developers and installers to adopt high performance insulation materials to ensure developments withstand the rigorous demands of current and future generations.

Multi-storey apartment developments require high performance soundproofing to ensure the continued satisfaction of occupants throughout their residence and to meet the requirements of Part E Building Regulations. Equally commercial and industrial developments require thermal insulation that not only deliver optimal thermal performance, but can withstand rigorous foot traffic and eco demands. Collecta’s range of high performance acoustic and thermal insulation systems and solutions have been engineered to meet these industry requirements and have been installed in thousands of developments throughout the UK.

Collecta Insulation

Collecta are a company at the forefront of the insulation industry that manufacture and supply a range of widely recognised acoustic and thermal insulation solutions. An impressive product portfolio is supported by a team of highly experienced technical consultants, who are on hand to identify the most effective solutions, installation advice, specification information and more. For customers eager to learn more about Collecta’s products, technical resources and product literature are available online or in physical format. Collecta also pride themselves on offering rapid and efficient delivery to customers nationwide at times to meet specific needs.

Insulation Product Portfolio

Collecta manufacture a multitude of thermal and acoustic insulation solutions, below is a brief introduction to some of the most widely recognised and specified solutions.

ScreedBoard – Dry Screed Flooring

ScreedBoard is an award winning dry screed flooring system that features outstanding acoustic and underfloor heating performance and extensive benefits over traditional wet screed solutions.

The award winning **ScreedBoard** removes the drying times typically associated with wet screeds. Its dry properties allow floor finishes to be introduced immediately and for other trades to be introduced far sooner in the build, allowing the development to be completed sooner. The risks of “going off” that may occur with wet screed are removed as **ScreedBoard’s** can be stored on site until they are required for installation.

Recognised for ease of installation, **ScreedBoard’s** unique interlocking edge detail requires only a bead of adhesive when installing the boards (no screws required). This feature is hugely beneficial as

it reduces the potential for damaging pipes when installing **ScreedBoard** on top of an under floor heating system, a genuine risk when using other similar dry screed systems. This can prevent costly remedial work to fix a damaged pipe after an entire floor has been completed. Installers can lay the boards with confidence that the under floor heating will remain undamaged.

ScreedBoard has recently been installed as the soundproofing insulation in two prestigious student accommodation developments in the UK. 9000m² of the award winning floor board was installed in 312 apartments at Oxford University. Aberystwyth University was the second student development to receive the **ScreedBoard** sound proofing treatment, providing 1000 students with optimum living and learning conditions since their arrival in September this year. To learn more about ScreedBoard visit the [website here](#).

HEXATHERM – High Compressive Strength Thermal Insulation

HEXATHERM is a proven range of insulation boards engineered for domestic, commercial and industrial applications, featuring BM TRADA Q Mark certification.

Benefits of the range include high compressive strength, low water absorption and excellent life-long thermal performance, making them ideal for floors, roofs, basements and swimming pools. Available in a multitude of thickness's (20-160mm) and strength grades (250-700kPa), **HEXATHERM** boards can meet exact project requirements. 9,000m² of **Cellecta's HEXATHERM XFLOOR 500** was recently installed into a major university development in Bournemouth's town centre, in addition to hundreds of other projects nationwide. The 2015 **HEXATHERM** Thermal Insulation Brochure is [now available here](#).

YELOfon HD10+ The Ultimate Under Screed Sound Proofing

YELOfon HD10+ is a high performance sound proofing layer with standout features, specifically designed to be installed under a floating screed on a concrete floor.

The system has been installed in various domestic and commercial developments across the UK including apartments, student accommodation, airports, libraries and other applications requiring premium sound proofing. In addition to the systems excellent acoustic performance (Robust detail E-FC-5), **YELOfon HD10+** also excels in installation, practicality and cost effectiveness.

Over 7,000,000m² of **YELOfon HD10+** has been installed as the sound deadening solution in various new build developments nationwide and is widely recognised as the ultimate sound proofing solution for under screeds. 24,000m² of **YELOfon HD10+** was recently installed into the prestigious Avant-Garde Tower located in the bohemian town of Shoreditch and 10,000 m² on the contemporary Ebury square development in Belgravia, London.

A notable benefit of **YELOfon HD10+** is the rolls lightweight and easy to handle properties, making them easy to move around on site. This represents a significant advantage for ground workers and installers who traditionally use heavy rubber based systems requiring a 2 man lift. Each **YELOfon HD10+** roll has a coverage area of 50m² and weighs just 20kg, in comparison to typical rubber rolls

that have a lower coverage of 10m² and weigh 36kg. This feature significantly reduces installation times as each roll covers a larger area and helps reduce potential risk of injury from lifting and during installation. For more information YELOfon HD10+ [click here](#).

TETRiS – Eco Friendly Insulation Block and Beam System

TETRiS is the eco-friendly, super strong structural flooring alternative to beam and block floors which can speed up the overall build times of a project.

Up to 16x the length of traditional blocks and only 5kg, (compared to 8.4kg for a single concrete block) **TETRiS** blocks are easy to handle and install. Capable of withstanding foot traffic on site and easy to cut, the **TETRiS** system is engineered for fast, efficient building. Eco-friendly properties, U-values as low as 0.10 W/m²k and BRE Green Guide A+ Rated, **TETRiS** is a revolutionary alternative to traditional structural floors. For more information on TETRiS or to view the technical brochure [click here](#).

Two of Collecta's innovative insulation solutions **TETRiS** and **ScreedBoard** have recently been installed in a 4-plot timber frame self-build development in Downend, Bristol. **TETRiS** insulation blocks have been installed on the ground floor instead of a traditional concrete block and beam system. A **TETRiS** system not only provides excellent thermal performance and super low u-values, but also significantly decreases overall build times. **ScreedBoard 28** has been selected for the separating floors for its excellent acoustic sound proofing qualities.

Collecta are excited to be exhibiting at London Build 2015 and helping you meet the soundproofing and thermal insulation requirements of your existing and upcoming projects. Visit Collecta on stand c16/17. For more information on Collecta thermal and acoustic insulation range contact our technical team on 08456 71-71-74, technical@collecta.co.uk or visit www.collecta.co.uk