

issue 2

future **VISION** FOR THE INTERIORS INDUSTRY

A CPD publication



Part of **SIG** PLC

inside

Taking a systems approach to ceilings
Focus on partitions and doors
Happy campers
Training and logistics
Win holiday vouchers

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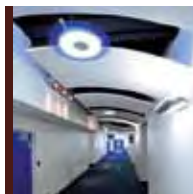
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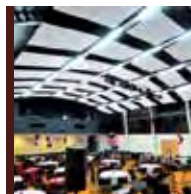
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Reader Reply 01

WELCOME TO THE LATEST ISSUE OF FUTURE VISION

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Bringing you the latest product and industry news

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Cover: Futures Community Upper College, Southend.

See page 22 for full details.

Future Vision magazine welcomes your views and comments. Please contact us at futurevision@cpdplc.co.uk or write to us at:

**Future Vision Magazine
Hillsborough Works
Langsett Road, Sheffield S6 2LW**

SIG shortlisted for prestigious industry award

SIG is delighted to announce that an award entry jointly submitted to the 2011 Building Awards with Laing O'Rourke - the largest privately owned construction company in the UK - has been shortlisted in the 'Integrated Supply Chain' category.

The submitted entry showcases the benefits being realised through a long-term Strategic Supply Agreement (SSA) that has been put in place between Laing O'Rourke and SIG.

Mark Tomlin, SIG UK Group Sales and Marketing Director, comments: "SIG is absolutely delighted that our entry has been shortlisted for this prestigious industry award. The successful implementation of the SSA has proven that a co-ordinated supply chain approach delivers direct operational, technical and commercial benefits. The award short listing stands as testament to the hard work of all the team involved in establishing the structure and framework for the agreement."

Structured to leverage the combined industry expertise and market presence of Laing O'Rourke and SIG, the SSA works to reduce the number of internal interfaces and drivers relating to the direct

and indirect procurement of a range of specialist products - ultimately creating value throughout the supply chain.

Tomlin continues: "As with any partnership, a commitment to continuous improvement sits at the heart of this formal SSA between Laing O'Rourke and SIG. 'Knitting' together the component parts of the supply chain in one continuous link, it works to formalise a 'spirit of co-operation' between both partners as well as third party sub-contractors and manufacturers."

SIG's entry is up against some strong opposition from other major industry players shortlisted for the category including; Connect Roads, the Olympic Delivery Authority, Interserve project Services, Crossrail and Balfour Beatty, with winners due to be announced on 07 April at a prestigious award ceremony at the Grosvenor Park Hotel in London.

For more information on the 2011 Building Awards go to: www.building-awards.com



Colin Fotheringham

2010 saw the retirement of one of the longest serving Directors in the business. Colin Fotheringham joined Sheffield Insulations in Blairgowrie as a Sales Representative in 1980. Since that time he developed his career and held a number of key positions within the business. During his employment he made a significant contribution to the development of the Insulations and Interiors businesses in both the UK and Ireland. Latterly, Colin was the Managing Director and head of the UK Insulations and Interiors Distribution businesses.

Colin had over 30 years' service with the Company and his drive and enthusiasm will be missed by his fellow Directors and work colleagues. Colin decided to retire from the business and we are sure that everyone will join us in wishing Colin a long and happy retirement.





CPD branches moving onwards and upwards

CPD Sheffield and Ceiling System Supplies (CSS) Slough have both relocated locally to share sites with SIG Insulations' sister companies. Customers can now benefit from a significant increase in product portfolio.

Not only do CPD and CSS offer their specialist interior products, dry lining

materials and huge suspended ceiling stocks, but via Orion Trent, Warren Insulation and Kitsons Thermal Supplies, the offering has now been extended to include an in-depth stock holding of thermal, fire, roofing and acoustic insulation, industrial/H&V insulation products and accessories.

The linking of CPD, SIG Insulations, SIG Fixings and SIG Construction Accessories within the SIG umbrella means you now have access to a true 'one-stop-shop' for specialist construction and interiors products.

See back cover for new contact details.

Regional Structure



CPD's senior regional management structure has recently changed. Here's an update on the key people across the UK network:



Martin Naptin, UK Interiors Director, SIG Distribution



David Fitzpatrick, Interiors Director North




John Enright, Key Accounts Director South


Central and South West




Regional Managing Director
Neil Jones



Regional Director South West
Craig Newman




Regional Director Midlands
John Yewman




Regional Director Anglia
Nick Edwards


North



Regional Managing Director
David Hope




Regional Director North East
Paul Lindley




Regional Director North West
Guy Levers


Scotland and North East



Regional Managing Director
Walter Johnstone



Regional Director South Scotland
William McMahon



Regional Director Tyneside
Mel Seth

South East



Regional Managing Director
David Henderson



Regional Director South
Richard Springett



Regional Director East London
Chris Knapp

New Tenon Product and Price Guide - now available for download

The latest edition of the Tenon Product and Price Guide is now available to download. This detailed, yet easy to use, guide to Partitions and Washrooms offers essential product and application guidance as well as the all important prices.

Designed to be an essential contractor's tool and definitive guide to all Tenon products, the publication encompasses the entire spectrum of demountable and relocatable office partition systems. What ever the building or refurbishment project demands, be it fire or acoustic performance or a multifunctional specification, there is a Tenon system designed to suit the purpose.

The Guide is packed with everything from section assembly drawings to details on Building Regulations Part M compliance for washrooms and ironmongery and features colour swatches of all the standard Tenon paint and Scion timber finishes.

Tenon is a leading brand of high quality partitioning and washroom

products. As the manufacturer of one of the most comprehensive portfolios for the interiors market, Tenon offers a family of products that will cater for all corporate environments, from manufacturing installations to the most prestigious office complexes.

You can download your Tenon Product and Price Guide at www.tenonpartitions.co.uk either in full, or in handy sized sections by system type. Alternatively, use the reader reply service to request an email pdf.

www.tenonpartitions.co.uk



Reader Reply 02

A WELCOME ADDITION TO THE SPEEDLINE RANGE!



Speedline Drywall Adhesive is the newest star in the increasingly popular Speedline range.

Available in 25kg bags, this gypsum based compound is the ideal solution for direct bonding plasterboard to walls. It's also suitable for thermal boards and bonding metal furring wall channels to walls.

Other products include:

- Speedline Extra Smooth Drywall Joint Filler. This gypsum based setting compound is suitable for filling plasterboard joints and bedding tapes. With a 90 minute setting time, it's available in 12.5kg bags.
- Speedline Ready Mix Joint Compound. A ready mixed, air

drying compound suitable for bedding and finishing plasterboard joints in a two stage application. It's ready to use after removing the lid so no time is wasted mixing. It's ideal for machine application, can be kept for up for nine months and is available in 20kg buckets.

Speedline offer an expanding range of quality, reliable and competitively priced, metal systems and accessory products for the dry lining professional, available ex-stock from CPD branches nationwide.

Visit www.speedlinedrywall.co.uk for more details.

Reader Reply 03

Major product innovations and technological investments from OWA

With the launch of their new CLIQ GRID SYSTEM and the opening of a new metal ceilings plant, OWA are taking the production of their ceiling suspension systems to a higher level.

Dave Carlson, Category Manager for CPD Interiors, was one of around 150 customers and staff from around the world, representing 24 countries in total, who attended the CLIQ grid launch and plant opening event in China. He commented: *"The energy and dynamism of OWA was evident throughout. The new products and new facilities are very impressive."*

Following an intensive research and development project to create a world leading grid system, the OWAconstruct CLIQ grid, which features a special 'click' connection, is now available from CPD's extensive UK branch network.



www.owa-ceilings.co.uk

New Cliq Grid completes OWA's ceiling system range

OWA (UK) Ltd Managing Director, Andrew Smith, comments: *"The launch of CLIQ means that OWA now has world leading systems available to UK customers via CPD, whether they prefer the Premium (Hook-on/Butt edge) or the new CLIQ (Stab/Joggle) system."*

"We've recently expanded our range of suspension systems to complement our grid offering. This means that we can now also offer a complete tile and grid combination ceiling system that meets the demands of any ceiling project. The quality assured German engineering that underpins our products is unrivalled and the benefits for a contractor, buying the tile and grid from the same manufacturer, of fire test compliance, colour match, system integration and peace of mind are considerable."

The advantages of the new product include:

- Effortless installation of cross tees
- Double clicking confirms locking
- Fully tested fire performance
- Certified fire resistance as a complete system with OWA tiles
- Meets LEED® standard regarding recyclability

OWA is market leader in Germany and one of the major world forces in suspended ceilings.

Reader Reply 04

WIN
HOLIDAY
VOUCHERS



COURTESY OF OWA SUSPENDED CEILINGS

OWA

OWA is offering two lucky readers the chance to win Holiday Vouchers worth £250.

To enter, simply take a look at the article above and answer the following three questions. Complete your answers on the reply paid card and return to CPD.

The winners will be the first correct entries randomly drawn after the closing date of 31st May 2011.

1. What is the name of the new Grid System launched by OWA?
2. In which country is the new OWA metal ceilings plant?
3. Name the two OWA grid systems mentioned in the article.

Terms and Conditions: Entries from employees of SIG plc and OWA will be void. Editor's decision is final. Full terms and conditions upon request.

AIR DIFFUSERS AND GRILLES FOR SUSPENDED CEILING

Complementing CPD's extensive portfolio and stockholding of suspended ceiling tiles and grids, a wide range of air diffusers and grilles is now available from branches.

Products include:

- 4 Way Diffusers
- Opposed Blade Dampers

- Eggcrate Grilles
- Round and Square Ceiling Diffusers with Fixed Blades
- Round Ceiling Diffusers with Fixed Diffusion Rings
- Steel Air Exhaust Valves
- Mounting Crossbars for Direct Duct Mounting



4 Way
Blow
Diffusers



Opposed
Blade
Dampers



Eggcrate
Grilles



White Steel Air Exhaust Valves



Mounting
Crossbars for
Direct Duct
Mounting



Round Swirl Ceiling Diffusers
with Fixed Blades



Square Swirl Ceiling Diffusers
with Fixed Blades



Round Ceiling Diffusers with
Fixed Diffusion Rings

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a new
CONCEPT
in modular
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Taking a systems approach to ceilings

by Dave Carlson,
Category Manager, CPD

Buildings often require that materials meet specific legislative and practical performance criteria. For instance education, healthcare, commercial, retail hospitality and leisure environments all present unique project requirements that demand careful material selection. Choosing the correct product is not straight forward.

Indeed, this is even more evident when you consider that each environment may need more than one type of system to meet the differing needs of the various areas within the building.

The same considerations apply when installing a suspended ceiling. A large number of performance criteria must be taken into account, such as:

- Acoustic performance
- Fire resistance certification
- Water resistance
- Mould resistance
- Air leakage

Other considerations include the product's environmental impact, availability, ease of installation, and particularly in these challenging economic times, value for money!

In even the smallest of projects, some or all of these criteria will need to be met. It is vitally important to be aware of how the performance of the ceiling can be affected if the individual products making up a suspended ceiling system have not been developed and tested

together. This is a strongly advisable consideration when using tile and grid that may be from different manufacturers and, therefore, have not been tested together.

Rob Gardiner, Technical Sales Manager for Armstrong, comments on how Armstrong ensure that their ceiling systems are developed and tested to ensure they meet the performance criteria outlined above:

"Armstrong, whenever it conducts testing or assesses product performance, always tests a complete Armstrong system. These performance attributes depend upon the integration of more than one component. The tile does not work alone, it is the tile, the grid, the clips and accessories that make up the system."

"It is important for Armstrong to have certainty in the ongoing performance of our systems, particularly in relation to the performance claims we make for our products. By using our own products and systems we are always aware of any changes in products



that may affect the overall system performance, and can conduct additional testing as required to ensure continued performance is maintained."

Whilst Rob recognises the importance of a system approach in terms of product selection, he also stresses the importance of how the product is installed:

"How the system is installed may also be critical, particularly in fire resistance tests, and reference to a full test report showing installation details is always recommended in this instance."

Finally Rob comments on a further very critical point, the effect on the manufacturer's warranty if the system is not used:

"This system approach is reflected in Armstrong warranties, which are either based on the installation being an Armstrong system, or will have an enhanced value for a complete Armstrong system."

Lynne Clapham - Specification Manager for OWA Ceilings Systems - also supports the benefits of using a system approach to the installation of suspended ceilings:

"An extremely important issue is fire resistance requirements on some projects. Most manufacturers fire test their ceiling tiles in their own grid. Where the tile and grid have been sourced from different manufacturers, the manufacturer who supplied the tile would not be able to issue a fire test certificate unless the existing grid was identical to the one they used in the fire test. This issue, if ignored, could have potentially deadly consequences."

Not only is there an obvious impact on the fire resistance performance of the ceiling, but Lynne goes on to explain how other performance criteria may be affected:

"As with fire testing, most manufacturers conduct the acoustic testing of their tiles when they are installed with their own grid. The results that they achieve and quote in relation to a particular ceiling tile may well differ when another manufacturer's grid is used."

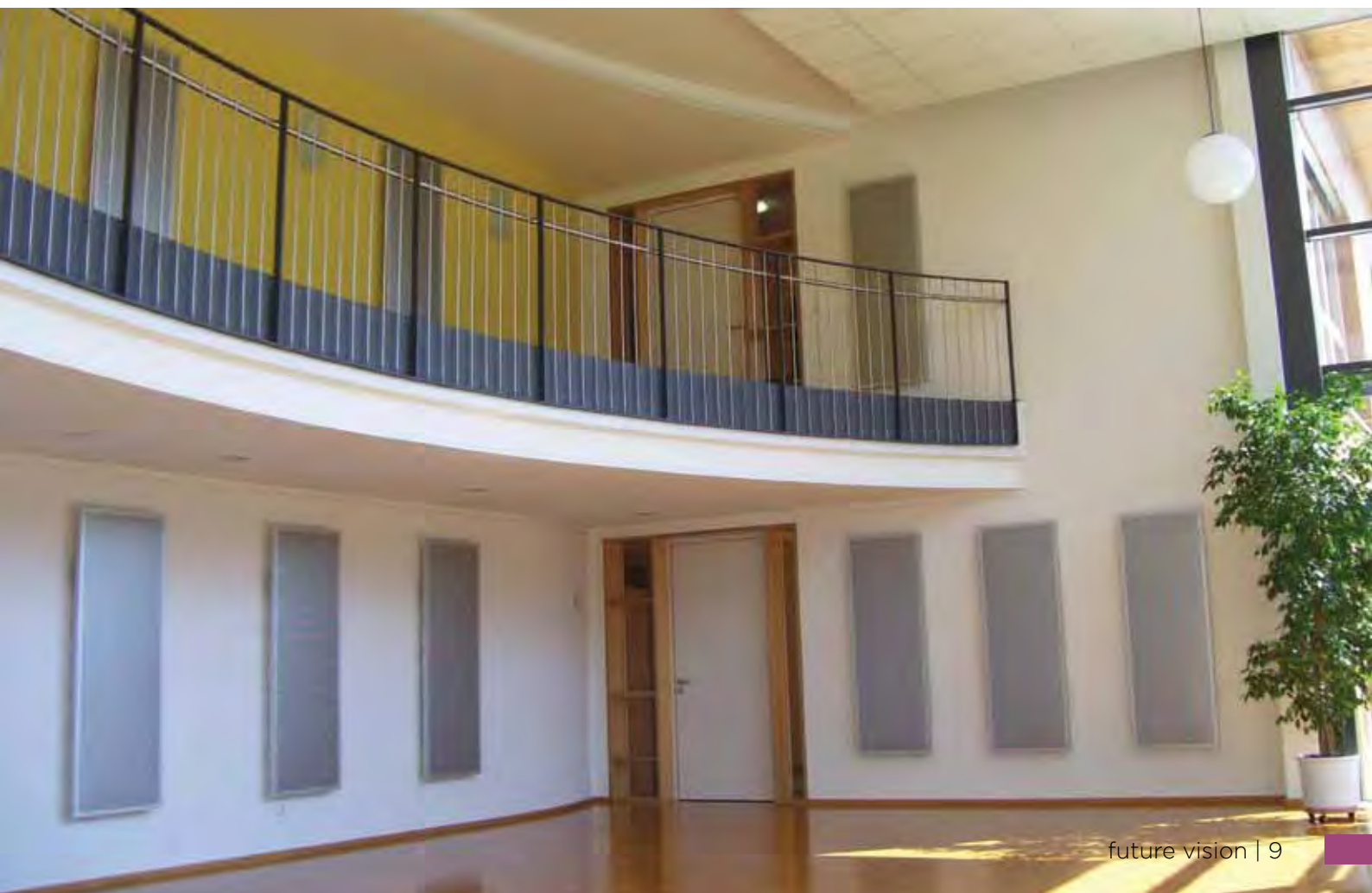
Lynne also points out the potential effects on the appearance of the ceiling: *"The aesthetics of the completed installation can sometimes be overlooked at the purchasing stage of a project. By using tile and grid*

manufactured by a single company, you can be sure that the colour of the tiles will match the grid and any associated trim. Sometimes it is only once the ceiling is fully installed that this can become a glaringly obvious problem."

Finally, Lynne again highlights the warranty issue: *"Warranty issues could possibly arise long after a project is completed. When the ceiling tiles and grid have come from the same manufacturer, the process of dealing with any defects will be far less complicated and time consuming, as there will be only one company to track down and liaise with."*

Whilst all the potential issues outlined above are not necessarily applicable or evident on every project, it is clear that the results of not using a system could have major impact on the product performance and warranty. In many instances, taking all of these elements into account, using a 'system' makes sound commercial sense, and whilst this may not always be the cheapest option in terms of material costs, it offers peace of mind for the specifier, main contractor, contractor and client in terms of performance and manufacturer support.

Reader Reply 07



For superior aesthetic results, choose a metal ceiling

Not only does a metal ceiling system achieve a stunning visual effect, it meets a number of performance criteria across a wide range of building sectors.

Whether you are looking for a basic metal tile, or perhaps a monolithic or linear ceiling with specific design features, such as curves and canopies, CPD supplies metal ceilings to suit all applications.

Over the years CPD has developed strong partnerships with two leading metal ceiling manufacturers, who can offer solutions that meet the most challenging design criteria. Both are well established and not only have comprehensive product portfolios, but understand the specialist requirements of metal ceiling projects.

Orcal brand from Armstrong

Orcal is a comprehensive range of metal ceilings, typically used to create a modern hi-tech aesthetic without compromising acoustic performance, and frequently found in prestigious new building projects.

Available in plain, standard perforation, micro perforation and extra micro perforation, Orcal ceilings create different aesthetic options which can be used with a choice of acoustic inlays and developed to create a wide range of performance values. Black, non-woven, acoustic fleece can provide cost effective sound absorption performance, while Armstrong B15 mineral board acoustic infill can provide combined absorption and attenuation.

A number of special finish options include Orcal Bioguard tiles which restrict the development of bacteria, mould and yeast, and are stain resistant. They can be repeatedly cleaned without damaging the ceiling, so are suitable for environments that necessitate superior hygiene standards.

Orcal tiles and planks can be used with different types of suspension grids, including concealed spring tee systems and Armstrong's Prelude 15, Prelude 24, Interlude and Silhouette exposed tee systems.

Orcal tiles with Axal Vector, Clip-In, Hook-On, Board, Tegular, and MicroLook edge details, give specifiers and designers options on the type of grid, method of installation and the level of exposure of the suspension system.

The Armstrong Axal Vector edge detail provides a 6mm



reveal between adjacent tiles creating a more 'monolithic' rather than modular appearance to the overall ceiling. Axal Vector tiles are easy to install and remove without specialist tools and downwardly demountable so do not need to be pushed upwards to be removed. They combine the visual sleekness of a concealed system, with the accessibility and maintenance benefits of an exposed grid system, and are particularly suitable where the plenum depth is low.

Helping London underground project run on time

CPD Distribution's Southwark branch, Armstrong and Orange Apple worked in partnership to supply four London Underground stations on the East London line. Based on an agreed uniting theme, the stations at Shoreditch, Hoxton, Haggerston and Dalston, were given the flexibility to pursue individual designs.

Armstrong's Orcal Plank ceiling was specified to fulfil all four projects simultaneously, with all products supplied meeting 'section 12' compliance, the fire rating for underground projects.



Approx 2500m² of the Fastrak plank system, with some custom C-profiles, made to measure bulkheads, special cut outs and speaker bezels were supplied by CPD and installed by Orange Apple. The Fastrak system has low smoke fleece and the planks can be hung vertically within the system for access.

Armstrong also developed a Fastrak Security clip, to hold down planks and prevent unauthorised access. This security clip has also been used on other London Underground projects.

CPD Southwark were instrumental in the simultaneous timed deliveries to the four sites, to meet the very tight schedules laid down by the Carillion and Balfour Beatty joint venture, particularly in the run up to the hand over.

Burgess – a 50 year pedigree

The Burgess name is synonymous with quality engineered metal ceilings. Burgess Architectural products range is both wide and varied, offering choice of standard and bespoke, or tailor-made solutions to meet today's demanding modern buildings applications requirements.

Clip in, swing down, hook on, lay in and linear beam are some of the standard Burgess products available from CPD. Manufactured in a number of edge details to satisfy a large number of applications, the clip in system was actually designed and introduced by Burgess in the 1950s.

However, CPD also offer bespoke Burgess solutions as well as the basic range, from external ceilings through to ventilated, high humidity ceilings for shower areas and swimming pools. Metalflair offers solutions to a number of interface and penetration requirements for a multitude of services. The Curvatura 3D system can be used to create dramatic three dimensional curved designs.

Meeting prestigious offices challenges

CPD Croydon supplied around 6000m² of Burgess Linear Beam Metal Ceilings to Westec House, Hangar Lane, London, a modern high profile air conditioned office with a prestigious central atrium and gymnasium. One of the main considerations for the project was to have a distributor and

manufacturer who were capable of project managing the supply of materials in conjunction with the fit-out contractor's demanding schedule.

To meet the acoustic requirements and desired aesthetics, a linear beam grid system was supplied incorporating a change of direction detail and perimeter linear grills. In laid into the rear of the tiles was an aluminium encased infill pad, with black tissue bonded to it. This provided an absorption (NRC) rating of 0.95 as well as achieving a 27dB sound attenuation rating.

Communications industry giant's Northern base

CPD Leeds supplied nearly 800m² of external canopies to one of the largest out of town lettings in Leeds. The Arlington Business park is now the Northern base of mobile giant O2.

The key requirement of the project was a system which offered a secure membrane for an external environment as well as matching the specific colour of the building design.

The product supplied was Burgess clip-in external, involving 1500mm x 300mm unperforated metal panels creating a linear look.



Reader Reply 08

BURGESS AP OFFER NVQ IN SUSPENDED METAL CEILINGS

Burgess Architectural Products in conjunction with the AIS and Dudley College are offering a FREE metal ceiling installation course to increase the expertise and knowledge of all subcontractors in the sector.

WHAT'S COVERED

DAY 1

Introduction to Metal Ceilings, the British Standards and Performance criteria, the manufacturing process and the range of products available.

Day 2

Installation of all systems, maintenance, sustainability, health and safety factors and NVQ enrolment.

Successful completion of the TWO-day course gives automatic entry to the National Vocational Qualification Level 2 in Ceiling Fixing, which is FREE to all participants who have not already achieved a Level 2 NVQ qualification or equivalent.

Achievement of the NVQ Level 2 will enable you to apply for the CSCS Skilled Worker (Blue Card).

COURSE DATES ARE SET FOR:

12th May 2011

9th June 2011

THE COURSE IS BEING HELD AT:

Burgess Architectural Products, Brookfield Road, Hinckley, Leicestershire, LE10 2LL

Further course details can be found at:

www.burgessceilings.co.uk

To book your FREE place and for further information, please contact Victoria Greaves on 01384 363714 and quote reference BURGESS.

Tenon Vitrage and CPD deliver the WOW factor

MG Group Interiors, incorporating MG Ceilings and Linings, MG Barkers and MG Linear have carved for themselves a well-deserved reputation as one of the UK's most respected interior design and build contractors working for a portfolio of high profile clients including Siemens, BAE Systems, and both Liverpool and Everton FC. So when it came to the relocation of its new Headquarters the pressure was on to deliver!

Future Vision takes a look at how MG, together with key supply chain partner, CPD Distribution, and the Tenon Vitrage range, worked to ensure the final result was nothing short of stunning.

Darren Congdon, Interior Designer, MG Barkers, summarises the design brief: *"The key thing for us was to ensure that the final scheme clearly demonstrated that MG practices what it preaches! In some respects we became our own client and found ourselves working within the parameters of a clearly defined budget and fixed deadline whereby there was no room for manoeuvre. Whilst aesthetic considerations were key, ultimately the design needed to carefully balance style and substance to ensure delivery of a smart and functional work space."*

Delicate balance of style and substance

Offering a full solution service to all its clients, including mechanical and electrical services, MG was able to draw on the expertise and skills inherent within the company to deliver the fit out programme. However to deliver the new offices MG also worked with key specialist commercials interiors supply partner, CPD Distribution plc.

Handled from the Liverpool branch, MG was able to benefit from CPD's logistical expertise whereby 'just-in-time' deliveries could be co-ordinated to ensure the installation process ran smoothly and efficiently to meet the prescribed deadline. In addition, MG chose to specify CPD's own Tenon Partition System products - namely Tenon Vitrage - to fully realise the scope of its design ambition for the fit out.

Using a minimum of aluminium framing sections, Vitrage contributes to creating the feel of open space with unhindered vision across an office without compromising the privacy of individual offices. Available as a double or single glazed partition system, Vitrage combines function together with the clear aesthetic benefits of silicone glazing, and can be set out using a head and two part base channels that enables designers to create the optimum consecutive run of partitioning using a minimum amount of framework to give a frameless appearance and help create clean lines.

Against a backdrop of vibrant furniture and carpet fittings, MG specified single glazed Tenon Vitrage to ensure the space retained a sense of openness and light whilst also ensuring the integrity of the individual office spaces. The modern visual simplicity of the scheme was further enhanced across the two floors by using full height glass doors and vertical silicone joints to maximise the glazed area.

Whilst the ground floor comprises a standard modular office layout, the client facing 'working showroom' is accommodated on a mezzanine along with two managers' offices, a boardroom, meeting room, plus a breakout kitchen and archive storage, and realising the design of this area presented some of the more challenging aspects on the project.





On a practical level, careful consideration had to be given to where the frameless doors were located on the mezzanine so as to avoid the floor springs they were fitted with coming into contact with and compromising the structural steel frame on which it was constructed.

A bespoke approach

Solid demountable partitions, constructed using Tenon Dry Lined Wall system were integrated with glazed sections to create the boardroom directors offices and ancillary areas whilst also ensuring a seamless interface with the Vitrage. However, forming the central focus for the scheme is a bespoke 'goldfish bowl' style glass wall along the length of the break out area, delivery of which required the creation of a curved wall with radiused TV611 track a 'Vitrage First' for Tenon!

Damian Hill, Business Development Manager, CPD considers the challenge: *"Close communication between MG, CPD and our glass manufacturers and installers of Vitrage, was key to ensuring the successful delivery of the curved wall. With a delivery deadline that left no room to manoeuvre, all the elements of the feature wall needed to be correct to the nearest millimetre to ensure that at the final fit-out stage everything came together."*

The curve on the aluminium frame was first preformed to a set radius, which created a template against which the glass could then be cut. Once completed the aluminium radius profile also provided MG's fit out team with the dimensions for the solid partition wall, constructed using

Tenon 77mm Dry Lined wall, with which the Vitrage section was then integrated.

Results that speak for themselves every time

Suzanne Dooner, Director, MG Group, reflects: *"As a business, MG Group aims to fit seamlessly into any client's operation to carry out projects with maximum speed and efficiency without compromising on quality. Becoming our own client put MG's*

working processes under the microscope, as well as the working relationships we have with our carefully chosen service partners, specifically CPD.

However the successful delivery of our own office fit out stands as testament to our commitment to achieve the highest standards of performance and delivery for each and every one of our customers."

Reader Reply 09

Tenon Vitrage

The latest addition to the range is Vitrage (dB), a stylish double glazed system, ideal for applications where acoustic performance is paramount. Sound reduction of up to 47 dB (Rw) can be achieved, whilst retaining the spacious, visual simplicity of glass.

Why chose Vitrage Partitioning?

- Frameless glazed partitioning
- Double and single glazed options
- Excellent acoustic performance up to 47 dB (Rw)
- Attractive and stylish design
- Integrates with Tenon 77mm Fire & Sound partitioning
- Full range of manifestation options
- Wide range of profile colours

Where desired, or in order to comply with building regulations, fully glazed panels may have manifestation films applied to them. These can be used to simply highlight the presence of partition, create individual designs or incorporate logos. Tenon 77mm Fire and Sound solid walls can be integrated with either double or single glazed Vitrage.



Tenon opens doors to success



Tenon Door Services

As part of their continued commitment to product development Tenon Partitions supply a full range of timber doors and frames to complement all demountable and relocatable systems.

Door blanks are available in either cellular or solid core along with co-ordinated timber frames and veneer

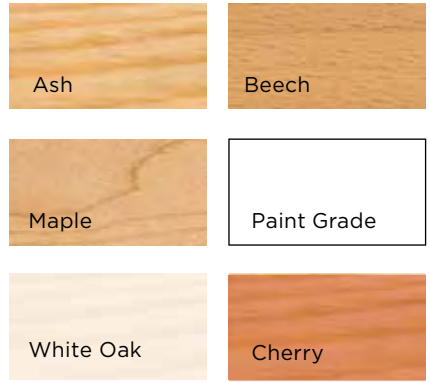
options depending on specification. Tenon 'in house' bespoke service is offered to accommodate specific client's requirements and non-standard 'specials' along with the full range of glazed vision panel options.

Standard Timber Door Service

Tenon offers the full range of standard size door blanks in all common veneer finishes and vision panel options. These are held in stock for next day delivery.

- Full height and door/overpanels options
- Door re-sizing
- Incorporation of non-standard glazed vision panels
- Fire rating to meet FD30 or FD60 requirements

- Fully compliant with DDA regulations
- Stock veneers typically include the following :-



Other veneers are available on request.

Bespoke Door Service

'Specials' are also available, customised to specific requirements.

To enhance the natural features of the product, Tenon doors are supplied fully finished with a machine applied UV stable, clear lacquer, applied during manufacture. Bespoke Tenon doors can accommodate a full range of veneers and include vision apertures in a variety of shapes, precision cut with a CNC router for superb accuracy.

The bespoke service enhances the standard service with:

- Fully finished non-standard door sizes
- Bespoke vision panels
- Range of non-standard speciality veneers
- Range of laminate finishes
- Pre-primed or fully finished paint grade doors

Other Door System Features available

- Double and Hospital door-sets
- Overpanels with matching grain
- Your choice of vision panel design
- CPL Faced doors



Glass Door Service

Whilst initially designed to be incorporated in the Vitrage silicone glazed system, both the single glass and the newly introduced double glazed doors can be incorporated within other Tenon systems to give specifiers endless design options. The full range of standard and specialist ironmongery is available to complement any project requirements.

For assistance with the best door and frame solution to meet your requirements, Tenon specialists are on hand to deliver expert advice.

Reader Reply 10



Essential service and support partnership

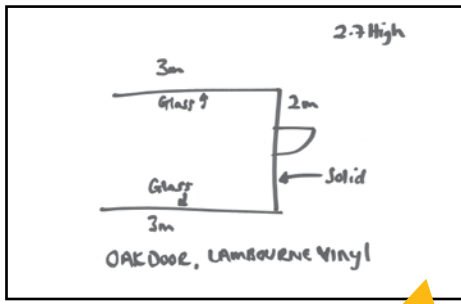
In the interiors industry, perhaps more than any other, quality of service is critical to a successful project. Fundamental to Tenon is our commitment to superb customer service and specifically the focus on putting the needs of our customers first. This is typically demonstrated with our Tenon Partitions 'in house' estimating programme 'Logiwall', which offers contractors and clients the facility to get partition quotations and scaled plans prepared quickly and efficiently, saving you time and money.

Tenon Partitions offer the full range of high quality demountable and relocatable systems, making the selection of partitioning simple whilst providing solutions to the changing demands of the modern workplace. Whether the requirement is for fire resistance, acoustic performance, varied glazing configurations or a multifunctional specification, there is a Tenon system designed to suit the purpose. The wide range of elevations available along with the choice of coordinated Operable Wall solutions allow total flexibility of design options whatever the project demands.

To derive maximum benefit, we work closely with the contractor at all stages of the project to establish the best partition system and layout required. All that is needed is a single input into the Logiwall software and, with the use of detailed layouts and 3D visuals; visions are soon turned into reality.

We are here to support our estimators as our experienced sales teams can provide detailed specifications, accurate quotations, along with full module costing and component breakdowns dependent on requirements.

www.tenonpartitions.co.uk

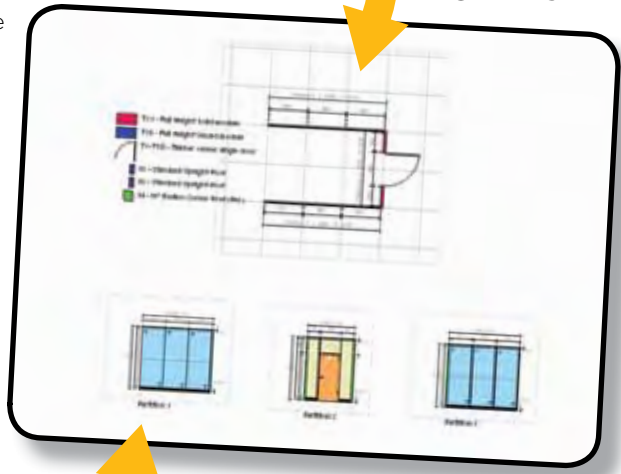


Key Benefits

- Logiwall facility available on the full range of Tenon partition systems
- Quick turnaround of accurate quotations
- Scaled working drawings for contractors, clients and fitters
- Detailed specifications as standard
- 3D layout option
- Module costings and component lists available for quick and easy preparation of quotes and ordering of materials
- Saves time and money.

FROM THIS

TO THIS



TO THIS





Washrooms for Happy Campers

Premier Plus

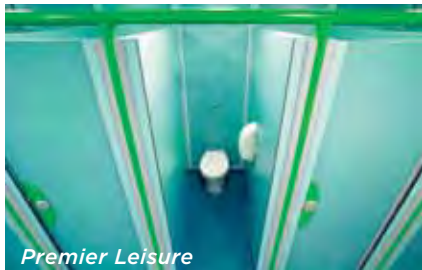
How often is an otherwise excellent site let down by a poor quality washroom block? Customers today are more demanding and will vote with their feet if everything is not up to standard.

Tenon Washrooms offer the ideal choice for Caravan and Camp Sites in the Premier Range of systems that need not cost the earth. Making the correct choice of product can give years of reliable service, retaining an 'as new' appearance and leaving a lasting impression on the paying guests at Caravan and Camp Sites.

Premier Leisure

Premier Leisure is practical but also offers a stunning contemporary design. The system features a robust tubular steel frame for the head rails and support legs for maximum strength, ensuring long life.

The frame is available in five vibrant colours with co-ordinating finger plates. Partitions and doors come in a complementary grey, constructed from tough solid grade laminate which is



Premier Leisure

specifically designed for wet and humid environments. Heavy duty furniture and fixings are supplied as standard. Impervious to cleaning chemicals and bacteria, Premier Leisure can be hosed clean, ensuring years of reliable service.

- Stunning contemporary design
 - Tough and durable construction
 - Easy to hose clean and maintain
 - 5 Year guarantee*
 - Suitable for wet, humid, hot and cold conditions
 - Disability Discrimination Act compliant layouts available
- *5 year guarantee subject to installation by an approved installer*

Premier Plus

Offering traditional design with a sophisticated twist, Premier Plus provides a stylish solution to any washroom design. There are 40 Polyrey standard colours to select from to perfectly complement the neutral grey partitions and chrome grey stylish head rail and accessories.

The high impact resistant solid grade laminate construction is guaranteed for 5 years* and is impervious to cleaning chemicals or bacteria, making



Premier Plus

cleaning easy. Premier Plus is suitable for wet and humid conditions. It is not affected by extreme hot or cold temperatures and is therefore ideal for washroom blocks all year round. Heavy duty furniture and fixings are supplied as standard to complete a durable, attractive washroom solution.

- Stylish traditional design features
 - Long life, tough and durable materials
 - 5 Year guarantee*
 - Hose clean design, resistant to bacteria
 - Suitable for wet, humid, hot and cold conditions
 - Disability Discrimination Act compliant layouts available
- *5 year guarantee subject to installation by an approved installer.*

www.tenonwashrooms.co.uk

Reader Reply 11

Making the Grade



Working in partnership, and supplying a variety of ceiling products, Armstrong and CPD have played a vital role in the £200,000 teaching accommodation refurbishment project at Southampton Solent University.

The project involved the refurbishment of two main corridors and four lecture rooms at the Herbert Collins Building, which was built in the 1960s and modified in the 1990s, but was in dire need of a makeover.

Armstrong Omega contractor, NFC Contracts, had a team on site for two weeks during the summer holidays, and it proved an unusual and challenging project, due to so many different Armstrong systems being used in essentially one area.

A variety of Dune white planks were used in conjunction with plasterboard upstands of varying sizes in the corridors and walkways. Over the breakout area, two levels of Dune mineral square tiles were installed in a mountain blue colour, with white Ultima convex and concave canopies suspended over the lower part of the ceiling area. Each of the four classrooms were treated differently with Graphis and Image mineral tiles.

Martin Scevity, Managing Director, NFC Contracts commented:

"A lot of pre-contract work went into getting the project right, and with the added help and expertise of CPD Portsmouth we were able to meet the client's expectations on time and to budget"

Again this demonstrates CPD's market leading ability to deal with multiple specialist products and work alongside Armstrong and a key contractor to co-ordinate site deliveries to effectively meet the demands of the project.



Aiming high for recycling success



WORKING IN PARTNERSHIP

CPD branches at Portsmouth and Twickenham recently helped Armstrong Ceilings quadruple its recycling of materials from the Farnborough Airshow.

Due to the challenging site conditions of the Airshow, CPD branches at Portsmouth and Twickenham were called into action to ensure the transfer of the recycled material went smoothly. The absence of a site forklift facility meant that CPD's mechanical offload facilities and drivers were utilised to consolidate material from various areas of the huge site into a central holding area in preparation for collection. When the Armstrong vehicles were ready to collect materials, CPD personnel and mechanical offloads were again on hand to load the vehicles.

The Armstrong tiles were supplied for more than 20 corporate hospitality

and business chalets used by such prestigious exhibitors as Lockheed Martin, Boeing and Northrop Grumman. These chalets are utilised during the show week, taking 5 weeks to build and fit out and one week to dismantle. The ceilings were fitted by Hampshire based ceilings and partitioning contractor RSD Systems

Roy Gleiwitz, Armstrong Business Development Manager, outlines the importance of CPD's involvement:

"Farnborough Airshow is Armstrong's largest 'End of Life' project in the UK. It was therefore essential that the site conditions and the lack of access to loading facilities did not prevent materials being returned to our Team Valley plant. Without the help and resource provided by CPD, this process would have become very difficult. The two CPD branches were

instrumental in ensuring materials were returned without a hitch. This further demonstrates the close partnership between CPD and Armstrong, and how this results in an unrivalled service to the contractor and client."

The used tiles from the Airshow were returned to Armstrong's manufacturing facility in Team Valley, broken down into slurry and used as the raw material for new tiles in the pioneering End-Of-Life recycling scheme.

Armstrong were first brought in to recycle the suspended ceilings at Farnborough Airshow in 2008, recycling 2,600m² (10 tonnes), but this year, with CPD's help have managed to recycle 10,000m² (38 tonnes). Armstrong's 'End of Life' recycling offer has been in place for over 6 years, but projects such as Farnborough Airshow have substantially increased the amount of material recycled during the last 12 months.

Look out for a combined CPD and Armstrong 'End of Life' recycling scheme in 2011.

Armstrong's new trio of Sound Solutions

Armstrong Ceilings' portfolio of OP (Open Plan) mineral fibre solutions, which have been developed to provide the highest level of sound absorption to allow improved intelligibility in rooms such as meeting or class rooms, is now three-strong.

Comprising Ultima, Perla and Sierra OP tile finishes and a range of edge details, the portfolio provides the highest level (Class A) of sound absorption ($\alpha_w = 0.90 - 1.00$) for areas where fine concentration is needed, such as large, open-plan offices, call centres and libraries.

Ultima's finely textured finish, when combined with indirect lighting to optimise its high light reflectance, is capable of helping to produce energy savings where artificial lighting is required.

Perla, Ultima and Sierra OP tiles feature a plain, flat textured surface design that makes them particularly suitable for a more minimalist environment.

www.armstrong-ceilings.co.uk

Reader Reply 12



Danoline and CPD help to create a city for learning

Danoline and CPD have played key roles in the delivery of a number of new primary schools across Aberdeen in a major overhaul of Scotland's schools estate. Here, Future Vision looks at how Danoline's gypsum ceiling tiles help to combat detrimental acoustic problems associated with educational establishments, in order to create schools fit for the 21st century.

In addition to the fundamentals of light and space, acoustics can have a major impact on learning and staff performance in schools. Poor acoustics can be detrimental to both students and staff; children miss out on learning as they find it more difficult than adults to fill in the gaps and guess at missing words, whilst staff find they are constantly fighting to be heard against high noise levels.

In the past, financial pressure has meant acoustics have not been deemed a high design priority; however the introduction of the Building Bulletin 93 (BB93) has led to a step-change in attitude by putting in place a regulatory frameworks setting out performance targets for all school buildings. All schools buildings are now subject to detailed design checks and on-site inspections, tightening the regulation of acoustic design in schools to create quality environments fit for the 21st century.

The Scottish Government has committed £800 million of funding towards a £1.25 billion local authority programme of new school building, benefitting around 35,000 pupils in Scotland. In line with the national programme, Aberdeen City Council undertook a detailed appraisal to ascertain the extent of deficiencies in the school estate, resulting in the introduction of an £120 million 3Rs Project (Reorganise, Renovate, Rebuild) to assemble schools for the future. The 3Rs Project commissioned seven new primary schools, one refurbished primary school, the replacement of two secondary schools and two new special schools.

Danoline has had a major role to play in supplying ceiling systems to five of the seven new primary schools across the city. Commissioned by contractor Pihl UK Ltd, Danoline's products were supplied by CPD Distribution's Glasgow branch. David Henderson, Branch Manager, CPD Glasgow, comments:

"Choosing the most appropriate products with environmental credentials, acoustic ability, light retention and longevity was no easy feat. Taking these factors in to account, Tectopanel was deemed the most suitable ceiling tiles for the majority of the work, with approximately 14750m² supplied across the breadth of projects."

The five new primary schools opened their doors for the first time in spring 2010, welcoming pupils from nursery through to eleven years old, as well as offering facilities for wider community use. As modern classrooms are subjected to a multiplicity of activities, such as music lessons, lectures and private study, spaces and therefore building materials are required to be multi-functional, adaptable and capable of managing shifting noise levels.

On average, 60 per cent of sound can be absorbed by using half perforated and half plain ceiling tiles - the more perforated tiles used, the more sound

is absorbed. As the sound waves travel through the perforated tiles and acoustic felt, the waves dissipate into the void or mineral wall beyond and any sound waves that escape are met by incoming sound waves to balance out the noise. For educational buildings it is vital to get this balance right, so the ceilings and walls must be capable of absorbing the sound waves to ensure the most appropriate environment for learning.

The light and thermal efficiency of a classroom can also have a fundamental impact on a student's performance and ability to retain information.

Danoline supplied pre-painted ceiling tiles, using a white water based emulsion paint with five-ten per cent gloss level that looks like a matt finish at the same time as maximising the brightness of each room. This helped aid the illusion of space and made excellent use of natural daylight by offering optimal light reflection.

Alastair Knibb, Account Manager, Danoline comments: *"With an average lifespan of 50 years, Tectopanel were an excellent choice for the demanding school build environments. They are*

ideal for ensuring maximum acoustic absorption and are not only made from recycled material - including newspaper to air-rate the boards - but also fully recyclable. What's more, should there be any need to replace a tile, this can be done swiftly without comprising the whole ceiling structure and then the discarded tile can be recycled."

Knibb continues: *"Danoline has a strong relationship with contractor Pihl in Denmark and it was this pre-existing relationship that lent itself so well to a partnership in the UK."*

Aedas Architects reflected Scandinavian architectural features in the creation of the conceptually light buildings and the selection of Pihl UK as Danish contractors led to a number of Danish and Scandinavian building components being selected. The success of the schools projects rested on all partners working harmoniously to deliver learning establishments that will play a substantial part in inspiring generations to come.

Reader Reply 13



The future is looking brighter for college students

WORKING IN PARTNERSHIP



CPD Distribution, Twickenham, supplied Rockfon ceiling systems throughout the £12M new build, Futures Community Upper College following the recent merger of two existing colleges in Southend.

The new building comprises three blocks, which join together in a central double height hub beneath an oversailing roof and canopy. Nicola Jaques, lead architect for Fraser Brown MacKenna, commented on their choice of Rockfon ceilings for the Upper College: *"Rockfon ceilings were specified as their broad range of products were able to accommodate the various acoustic and fire performance criteria required in the different spaces throughout the building. Their narrow, tegular edges, non-standard tile sizes and suspended baffles provided a wide choice of aesthetic options, in keeping with the overall architectural design of these spaces."*

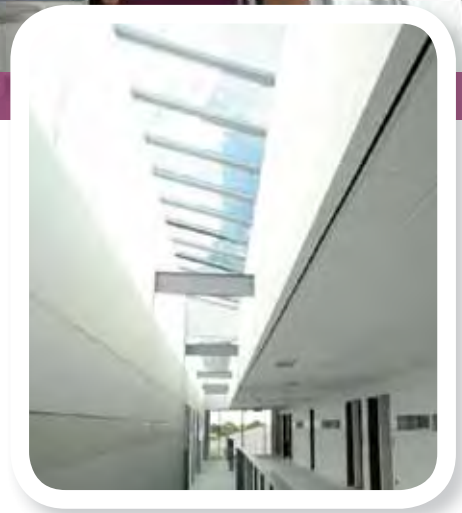
PAN Interiors were the specialist contractor for this project with CPD Twickenham Branch supplying the products. Paul Aubrey, Business Development Director said: *"Having worked closely with Rockfon and CPD on a number of education projects previously, we knew that with their wide product portfolio and range of solutions we could ensure a first class result for our client within a demanding programme."*

Within the central atrium, 300 Rockfon

Fibril Multiflex black baffles were installed. The design team agreed that the liner tray to the roof soffit in the double height central hub would be left exposed in order to reveal certain elements of the construction suiting the nature of the building as a construction college and contributing to keeping the build cost low. Consequently some additional acoustic absorption was required in this space, vertically hung tiles were specified and installed to offer an acoustic solution and design feature. The vertical installation enables creative design solutions combined with good sound absorption and provides unhindered access to exposed services in this location.

For the classrooms and corridors, a variety of Rockfon Sonar products was supplied by CPD due to the tiles micro-textured surfaces, strong edges and excellent acoustics. They are available in a variety of sizes and edge details to meet the highest fire safety (Class A1) and sound absorption (Class A) regulations.

Sonar E tiles were used in the standard classrooms where acoustic calculations, carried out by Ion Acoustics, indicated they would achieve a reverberation time of 0.38 seconds. Building Bulletin 93 requires a reverberation time of less than 0.8 seconds for standard inclusive teaching spaces, while the Disability Discrimination Act (DDA) guidelines and BB93 specify 0.4 seconds for children with hearing impairments. All standard classrooms at



Futures should therefore be suitable for students with hearing requirements. Sonar planks, measuring 1200 x 300mm were installed in the main internal streets where the larger format helps to give a clean, uniform appearance, exaggerating the linearity of these circulation spaces.

The new Upper College building at Futures accommodates students from 14-19 years of age and offers a range of vocational courses alongside traditional GCSE options. Facilities include a fully operational hair and beauty salon, which will be open to the public, and a modern construction workshop covering key trades such as painting and decorating, carpentry and bricklaying.

Samson ceiling tiles were installed to provide maximum acoustic control and fire performance and a durable robust ceiling for this noisy environment. Samson offers excellent sound absorbency levels with the added benefit of high impact resistance.

www.rockfon.co.uk

Reader Reply 14

Focus on training & logistics

By **Martin Naptin**, Interiors Director, CPD/SIG Distribution

In today's challenging markets, it's critical that specialist suppliers continue to invest heavily in their areas of expertise in order to stay abreast and ahead of what can sometimes seem to be relentless industry changes and demands.

As part of the SIG Group, CPD, the UK market leader in interiors distribution, recognises that logistics these days is about much more than getting product from A to B.

It runs the full gauntlet through purchasing, programming, transport, stock control, manpower, safety, site schedules and reduced waste. Better logistics are vital and integral to overall performance. The triangle between site team, main contractor and distributor must be seamless and effective and makes the real difference between success or failure within the supply chain.

Partnership working is absolutely critical to the way we work at CPD; we see ourselves as logistics experts and we're an extension to our customers' resources. Our stock levels and vehicle fleets are unrivalled in the industry and we provide a true one-stop-shop service, supplying all fixings and accessories needed to complete the job, to reduce the number of deliveries to site.

We train our staff well, and we continue to train them.

Specialist expertise and training across all product areas is key to customers returning time and time again to a trusted supplier, knowing that they will always receive the right guidance and support. CPD management operates a 'hands-on' approach to this, making sure that every branch in their network receives ongoing training in the latest product solutions.

CPD have vast experience in suspended ceilings and operate staff training courses with all the major manufacturers. The training programme for Tenon, CPD's own partitioning and washrooms brand, excels in its focus on detail and accuracy. Greg Fletcher, CPD's technical training manager outlines the training courses that are a mandatory requirement for the specialist Tenon staff:



Greg Fletcher



Martin Naptin has 35 years experience in the UK interiors and drywall industries, both in manufacturing and distribution, and since 1994, with CPD. In 2010 he was appointed to the Board of SIG Distribution, with national responsibility for creating and delivering interiors development and strategy.



Dedicated Tenon Partitions training

"The 'Tenon' training program is structured in such a way that delegates attend the courses in sequence as the courses become more 'advanced'. As they progress through the Tenon range, delegates are expected to pass each course in turn before progressing further.

The one day 'Introduction to Partitions' course is recommended for newcomers to demountable partitions, this is basically an overview of the Tenon range to take in the options and add on's such as ironmongery, door veneers, wallcoverings, fixings, tools, glass and blinds etc along with an introduction to the basic forms used to order materials and company partition procedures.

Each subsequent two day course is dedicated to a particular Tenon system and covers in considerable detail the likes of components breakdown, elevation assemblies, module breakdowns/calculations and component call offs from scaled layout drawings.

Having completed the course successfully it enables the delegate to return to branch with the knowledge and confidence to handle the particular system properly and actively provide the right customer guidance."



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