

# eurobond

## Building Knowledge

External Issue 4 (Nov 2008)

### In this issue

**Introducing Rainspan LINEAR**

**Europanel used in Multi-million pound Re-Construction**

**Developing New Build methods with Velocity**

**Sainsburys checks out Rainspan for Major Store Refurbishment**

**Are you Schooled in Fire Performance?**

**Our CPD takes to the Road!**



### Useful Links

[Euroclad](#)

[Eurobond](#)

[Rockwool](#)

[Corus](#)

[Sika](#)

[LPCB](#)

[Bodycote Warringtonfire](#)

[BRE](#)

[The Environment Agency](#)

[Request a CPD](#)

[Feedback](#)

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### HOT PROJECTS & NPD

#### Introducing Rainspan LINEAR

As the UK's leading manufacturer of non-combustible stone wool core composite panels, we are delighted to unveil Rainspan LINEAR, our innovative rainscreen system.

[More ▲](#)



#### Europanel used in Multi-million pound Re-Construction

Our Europanel Extra composite steel panels have been installed as part of the re-construction of the Mountbatten Building at the University of Southampton.

[More ▲](#)



#### Developing New Build methods with Velocity

The team behind Sheffield's landmark development, Velocity, employed a very inventive installation method for this unique build by utilising our recently launched Rainspan panel.

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Our Rainspan rainscreen support panel has been used by supermarket giant Sainsbury's in Emerson Green, Bristol, for a large refurbishment and extension.

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### CURRENT NEWS

#### Are you Schooled in Fire Performance?

The UK government is set to invest around £100 billion over the next 10 years in the rebuild and renewal of schools across the UK, generating an unprecedented opportunity for suppliers and manufacturers within the construction industry.

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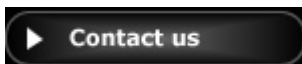
### CPD

#### Our CPD takes to the Road!

Recognition of the invaluable insight provided within our Fire Engineering CPD has given us the opportunity to present at the RIBA Headquarters as part of their distinguished CPD Roadshow.

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## Archive

Internal Issue 4 (Nov 2008)  
October 28, 2008  
Vol. 2 Issue 4

Internal E-Newsletter Issue 3  
August 22, 2008  
Vol. 1 Issue 3

External E-Newsletter Issue 2  
July 14, 2008  
Vol. 1 Issue 2

[more...](#)

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[Home»](#)

### In this issue

#### Introducing Rainspan LINEAR

[Europanel used in Multi-million pound Re-Construction](#)

[Developing New Build methods with Velocity](#)

[Sainsburys checks out Rainspan for Major Store Refurbishment](#)

[Are you Schooled in Fire Performance?](#)

[Our CPD takes to the Road!](#)



#### Europanel

The hallmark of architectural panel design



#### Rockspan

The cost effective, non-combustible external wall panel



#### Firemaster

The internal wall and ceiling panel solution



#### Rainspan

The rainscreen support panel

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## Introducing Rainspan LINEAR

As the UK's leading manufacturer of non-combustible stone wool cored composite panels, we are delighted to unveil Rainspan LINEAR.

Manufactured in conjunction with our sister company, Euroclad Facades, this innovative rainscreen system combines all the benefits of composite panel construction with the visual design freedom afforded only by the LINEAR series of metal façades.

Our Rainspan LINEAR offers building designers and contractors complete flexibility in design using both standard and bespoke details plus unrivalled speed and ease of installation. Sophisticated computer aided manufacture allows architects to fully exploit the extraordinary contemporary visual appeal of a LINEAR façade system that meets all the necessary European safety standards.

Rainspan LINEAR complete wall system provides a façade with superior flatness and outstanding surface colour uniformity, delivering an unrivalled range of high quality finishes so architects and designers can create eye-catching buildings for all sectors.

Richard Wigley, Marketing Manager, said: "It is a pleasure to unveil the innovative Rainspan LINEAR façade system in conjunction with our sister company Euroclad. Combining the design flexibility of a LINEAR Alpolic/fr rainscreen system with the fast track construction methods of Eurobond stone wool cored composite panels, the complete system opens up the opportunities for architects to design an individual building that is both aesthetically pleasing, meets European standards, has non-combustible insulation and a low environmental impact."



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## Archive

Internal Issue 4 (Nov  
2008)

October 28, 2008  
Vol. 2 Issue 4

Internal E-Newsletter  
Issue 3

August 22, 2008  
Vol. 1 Issue 3

External E-Newsletter  
Issue 2

July 14, 2008  
Vol. 1 Issue 2

more...

Key attributes of our Rainspan panel system are build speed and convenience, allowing the rapid construction of a weather tight building and the early commencement of internal works, all of which ultimately reduce labour time and costs.

Our panel provides a robust, structural support ideally suited to carrying a range of architectural façade systems and achieves a level of thermal performance to meet any requirements. Its structurally stable core material does not degrade after time and the product reduces the number of component parts needed and the thickness of the overall wall.

Critically Rainspan has non-combustible insulation and excellent environmental credentials; the stone wool core is made from a high percentage of recycled content, containing no ozone depleting substances with zero global warming potential. At the end of its life it can be completely recycled, with all the components included back in the manufacturing process, offering a cradle-to-cradle approach.

Euroclad's LINEAR series metal façade systems offer unrivalled flexibility ensuring that most architectural designs are easily reproduced with superior flatness and excellent rigidity. Fabricated from Mitsubishi's ALPOLIC/fr material, LINEAR allows building designers and contractors complete freedom of expression using both standard and bespoke items to create interesting modern architecture for any project.

LINEAR facade systems come in 71 standard colours, 20 specialist patterns and five natural metal finishes of aluminium, zinc, copper, titanium and stainless steel. Its flexibility ensures that most architectural designs are easily reproduced, quick and easy to install, lightweight and weather resistant.

For further information please visit us at [www.eurobond.co.uk](http://www.eurobond.co.uk) or contact us on 02920 77 66 77

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[Home»](#)

### In this issue

[Introducing Rainspan LINEAR](#)

[Europanel used in Multi-million pound Re-Construction](#)

[Developing New Build methods with Velocity](#)

[Sainsburys checks out Rainspan for Major Store Refurbishment](#)

[Are you Schooled in Fire Performance?](#)

[Our CPD takes to the Road!](#)



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## Europanel used in Multi-million pound Re-Construction



Our Europanel Extra composite steel panels have been installed as part of the re-construction of the Mountbatten Building at the University of Southampton.

Manufactured using a non-combustible stone wool core, Europanel Extra was specified to provide the highest levels of fire performance after the original building was destroyed in a fire in October 2005.

The new four-storey concrete framed building has been designed as a world-class interdisciplinary clean room and office complex for the Optoelectronics Research Centre and School of Electronics and Computer Science.

Due to the damage caused to the original building three years ago, the fire performance credentials of any materials used in the new construction were imperative.

Europanel Lite is manufactured using a Rockwool stone wool core, a certified Euroclass A1 non-combustible material that will not ignite and will not contribute to the spread of fire.

The system has also achieved Loss Prevention Certification Board (LPCB) LPS 1181 Grade EXT-A, meaning it is suitable for use in 'protected zones' as defined by the LPC Design Guide for the Fire Protection of Buildings (clauses 3.4.2 and 3.4.3).

Lakesmere, a specialist cladding contractor, was appointed to undertake the external cladding of the building. Steve Reynolds, Project Manager from Lakesmere Contractors explained: "Europanel Lite was an ideal choice for a high profile building such as this. I have worked with Europanel on many occasions and I am always pleased with the results. The products are easy to fit and easy to maintain and, in light of the fire that destroyed the original building, Europanel was the perfect choice."

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▶ **Subscribe**

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## Archive

Internal Issue 4 (Nov  
2008)

October 28, 2008  
Vol. 2 Issue 4

Internal E-Newsletter  
Issue 3

August 22, 2008  
Vol. 1 Issue 3

External E-Newsletter  
Issue 2

July 14, 2008  
Vol. 1 Issue 2

more...

[**PRINTER FRIENDLY VERSION**]

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[Home»](#)

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**Introducing Rainspan LINEAR**

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## Developing New Build methods with Velocity



The team behind Sheffield's landmark development, Velocity, employed a very inventive installation method for this unique build by utilising our recently launched Rainspan panel.

Developed to provide the perfect structural support to a range of rainscreen systems, Rainspan is a robust stone wool composite panel that offers exceptional fire and environmental performance.

Instead of using a built-up system as originally planned, contractors Composite Cladding Systems decided to use Rainspan as the backing for an aluminium rainscreen system for the apartment tower within this mixed-use development.

Project Manager Francois Baudet from Capita Construction Management explained the numerous benefits behind this choice of installation:


"By using Rainspan, we saved ourselves a lot of time on site. Two of our contractors installed the product onto an entire floor in just two days. If we had used a traditional brick and block method, this could have taken up to a week."

"Once installed, the Rainspan panels meant we had a watertight and durable façade with an exceptional U value of .23. We are very happy with the results and feel that it is a structural solution we would use again elsewhere."

Utilised in this way, Rainspan provides a means of combining all the advantages of insulated panel construction with the design flexibility offered through the use of a variety of architectural façade systems.



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▶ **Feedback**

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▶ **Subscribe**

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## Archive

Internal Issue 4 (Nov  
2008)

October 28, 2008  
Vol. 2 Issue 4

Internal E-Newsletter  
Issue 3

August 22, 2008  
Vol. 1 Issue 3

External E-Newsletter  
Issue 2

July 14, 2008  
Vol. 1 Issue 2

more...

Manufactured using a Rockwool stone wool core, our Rainspan system has also achieved Loss Prevention Certification Board (LPCB) LPS 1181 Grade EXT-A and is fire resistant in accordance with BS476 Part 22.

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[Home»](#)

### In this issue

[Introducing Rainspan  
LINEAR](#)

[Europanel used in Multi-  
million pound Re-  
Construction](#)

[Developing New Build  
methods with Velocity](#)

[Sainsburys checks out  
Rainspan for Major  
Store Refurbishment](#)

[Are you Schooled in  
Fire Performance?](#)

[Our CPD takes to the  
Road!](#)



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Our Rainspan rainscreen support panel has been used by supermarket giant Sainsbury's in Emerson Green, Bristol, for a large refurbishment and extension.

Specified for its architectural design credentials, Rainspan has given the store a welcoming feel for the thousands of shoppers who visit the supermarket each week.

Rainspan has been designed to allow contemporary finishes to be specified for an array of composite panel projects, across a variety of applications, extending the aesthetic possibilities and widening the scope for composite panel construction. Rainspan also serves structurally, providing a clean uninterrupted internal surface with minimal secondary steelwork.

Janet Street, architectural technician of architects Stride Treglown, responsible for the development, said: "As part of the refurbishment, for the building's exterior we wanted to use composite panels of a considerable length, which would then be over clad with wood-effect rainscreen for aesthetic purposes. The panel system provided the required insulation needed whilst also being able to support the load of the rainscreen. Our contractors had also worked with Eurobond previously and achieved great results, so it was only natural that we chose to use them again."

Key attributes of our Rainspan panel system are build speed and convenience, allowing the rapid construction of a weather tight building and the early commencement of internal works, all of which ultimately reduce labour time and costs. The panel provides a robust, structural support ideally suited to

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▶ **Feedback**

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## Archive

Internal Issue 4 (Nov  
2008)

October 28, 2008  
Vol. 2 Issue 4

Internal E-Newsletter  
Issue 3

August 22, 2008  
Vol. 1 Issue 3

External E-Newsletter  
Issue 2

July 14, 2008  
Vol. 1 Issue 2

more...

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Our Rainspan range of façade systems includes Rainspan Alphaton: vibrant and eye-catching terracotta tiles available in a variety of different colours and finishes; Rainspan Carea: a ceramic façade offering textures of natural stone and slate and Rainspan LINEAR: a metal façade offering the ultimate in design creativity.

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