

Producer members

Producers offer mainland UK coverage unless otherwise stated

C&G Concrete Ltd 01780 482000
www.candgconcrete.co.uk (East Midlands)

CEMEX UK Materials Ltd 01932 568833
www.cemex.co.uk

CPI Mortars Ltd 0845 850 9090
www.euromix.com

Hanson 0845 845 6699
www.hanson.biz

Hugh King & Co 01294 557515
www.kingdrymix.com

John Carr (Liverpool) Ltd 0151 2070067
(Liverpool)

Premier Mortars 0845 603 3406
www.marshalls.co.uk/premiermortars

RTU 02890 851441
www.rtu.co.uk (Belfast)

Remix Dry Mortar Ltd 01329 231200
www.remixdrymortar.co.uk

Roadstone Dublin Ltd 00 35 31 4041200
www.roadstone.ie (Dublin)

Smiths Concrete Ltd 01295 278177
www.smithsconcrete.co.uk (Oxfordshire)

Tarmac Limited 08701 116116
www.tarmac.co.uk

Masonry construction reaches zero-carbon



Masonry construction can achieve a zero-carbon home

Government has recognised that masonry construction can achieve a zero-carbon home. Hidden away in the Spring Budget detail is confirmation that Code for Sustainable Homes level 5 – suitably met by good old brick, block and mortar – will be the highest level required when all new homes have to be zero carbon from 2016.

Head of architecture, housing and sustainability at the Concrete Centre, Guy Thompson, points out that tucked away in an appendix to the budget, government has announced that unregulated carbon

emissions produced by cooking and electrical appliances such as televisions are to be excluded from the definition. These account for between one third and half of a home's total emissions, with the rest coming from lighting, heating and hot water production.

Under original government plans house builders would have been required to fund renewable energy projects to offset emissions from household appliances, substantially increasing the price of new homes at a time when the house building industry can ill afford it.

* Further information on building to Code level 5 is available in the Concrete Centre publication 'Achieving Code level 5 in Concrete and Masonry' downloadable from http://www.concretecentre.com/online_services/publication_library/publication_details.aspx?PublicationId=695. Please note this is currently under review to reflect the changes in Part L outlined in a further publication, Thermal Performance: Part L1A.

40 years of the MIA lunch

The MIA lunch celebrates its fortieth year in 2011.

Several venues around the country have been used for the prestigious industry event which has drawn up to 200 guests for an event over its history.

In more recent years the favourite venue has been the Royal Overseas League in London again the venue for 2011.

New MIA chairman appointed

Chief executive of CPI Mortars, Larry Dale, has become chairman of the Mortar Industry Association.



Larry has wide experience in the concrete and mortar industries having begun his career in the Tarmac technical department in 1983. He was subsequently given a post

in sales in the company's mortar business and progressed to southern region manager. In 1998, he joined CPI Mortars as a sales representative, four months after the company had set up the first dry mortar plant in the UK at Northfleet, Kent.

On becoming MIA chairman, Larry said: 'The Construction Industry and its suppliers have been under severe pressure in the last few years. There are small signs of improvement in certain sectors but no doubt we still have some tough times ahead. It is important during this time that the focus of the industry as a whole remains on delivering quality through its products, services, and its many skilled people.'

Tight site conditions helped by Tarmac

Site space restrictions were the prime reason Tarmac Mortars were specified for the construction of student accommodation in London for the Blackstone Group. The £14 million project is being built by ISG with blockwork and brickwork handled by sub-contractor Irvine-Whitlock.

Designed by architects TP Bennett to complement the surrounding built environment, the new facility in Notting Hill, London, will incorporate a brick façade to the lower five stories, with curtain walling to the upper two levels. The project is scheduled for completion during summer 2011.

Irvine-Whitlock specified ready to use mortar principally because of tight site space availability and Tarmac has supplied GM4 Y12 ready to use mortar for the project which incorporates 1166 m² of

brickwork and 110 m² of blocks.

The project sees the demolition of an existing single-storey and part four-storey mixed use building on the site, which is adjacent to the GrandUnionCanal. A sheet piled retaining wall has been installed to protect the canal tow path and ISG carried out a reduced level dig to level the sloping site. A seven-storey reinforced concrete frame structure is being constructed, which features an internal courtyard area at first floor level. The 89,294 sq ft building will accommodate 233 rooms, including twin bed apartments, single studio units and specially designed disabled rooms. Off-site manufactured bathroom pods and kitchen units are used throughout the development, which also aims for a BREEAM very good rating thanks to efficient roof mounted air source heat pumps and a green sedum roof with bat box habitats.

First European mortar summit

The European Mortar Organisation (EMO) is to hold its first European Mortar Summit this year on 9 and 10 June in Paris.

The programme covers a range of mortar topics including the challenges facing the industry, sustainability and the new standardisation process for ETICS.

Further information can be obtained from karin.leyers@baustoffverbaende.do

Screeds ideal answer for floor construction



Laying a cementitious floor screed (Tarmac Building Products)

Benefits of factory-produced cementitious floor screeds are being restated by the MIA as part of its overall promotion of quality products available from its membership.

The screeds are high-quality products designed for all traditional screed applications including monolithic, bonded and unbonded construction.

A cementitious levelling screed, typically made from a 1:3 or 1:4.5 ratio of cement to sharp sand, is used to achieve a durable, flat surface ready to accept the final flooring finish. It may be applied onto either a solid in-situ concrete ground floor slab or onto a precast concrete floor unit.

Screeds are made under tightly-controlled factory conditions and delivered to site, ready to use. They have guaranteed mix proportions and overcome any potential problems relating to site mixing.

Benefits include:

- accurate cement content
- consistent strength
- reduced mixing and labour costs
- reduced wastage and pilferage
- guaranteed meeting of specification
- technical advice and test data available upon request.

Screeds can be left as laid or floated to produce a smooth surface on which to lay a specified flooring or finish. They can also be used to embed underfloor heating or to encompass ducting for other services. Reinforcement can be added as required, generally through use of a fine metal mesh or the addition of polypropylene fibres. Screeds can also be used in conjunction with insulation materials.

Self-levelling, flowing screeds are available.

Generally based on a calcium sulfate binder, these can provide significant additional benefits, including:

- speed of application
- finer surface finish
- accuracy of placement and finishing,
- reduced thickness
- a substantial reduction in the number of movement joints required.



**mortar
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MIA is part of the Mineral Products Association, the trade association for the aggregates, asphalt, cement, concrete, lime, mortar and silica sand industries