

## Producer members

Producers offer mainland UK coverage unless otherwise stated

**Breedon Aggregates 01332 694000**

[www.breedonaggregates.com](http://www.breedonaggregates.com)

**CEMEX UK Materials Ltd 01932 568833**

[www.cemex.co.uk](http://www.cemex.co.uk)

**Cornish Lime Company 01208 79779**

[www.cornishlime.co.uk](http://www.cornishlime.co.uk)

**CPI Mortars Ltd 0845 850 9090**

[www.euromix.com](http://www.euromix.com)

**Hugh King & Co 01294 557515**

[www.hughking.co.uk](http://www.hughking.co.uk)

**John Carr (Liverpool) Ltd 0151 2070067**

(Liverpool)

**Marshall Watts Mix 01262 675383**

[www.wattsmix.com](http://www.wattsmix.com)

**Premier Mortars 0345 3013030**

[www.marshalls.co.uk/premiermortars](http://www.marshalls.co.uk/premiermortars)

**RTU 02890 851441**

[www.rtu.co.uk](http://www.rtu.co.uk) (Belfast)

**Tarmac 03701 116 116**

[www.tarmac.com](http://www.tarmac.com)

## New data sheet published on using mortars at low and high temperatures

The MIA has now published its new data sheet on factory-produced mortar for use at low and high temperatures.

The data sheet explains that if the temperature of recently laid mortar falls below 0°C there is a probability of some degree of frost attack. The water may freeze and expand thus disrupting the mortar by forcing the material apart and breaking the bond.

It used to be thought that this process was completely irreversible. However, the presence of free lime in the mix imparts to some degree the property of self-healing and any hairline cracks formed will tend to seal, over a short period of time.

The data sheet points out that it is obviously desirable to take precautions to minimise frost attack, explaining that special precautions should be taken when using mortar in winter conditions.

The inclusion of carefully controlled air entrainment under factory conditions in mortar increases the frost resistance in its hardened state and it is for this reason that MIA members supply specially modified factory-produced mortars for winter usage.

The masonry contractor's primary concern during hot weather is evaporation of water from the mortar. If sufficient water is not present, the bond between the mortar and masonry unit may be reduced. However, the effects of high temperatures are not as damaging as those of low to masonry performance. The increased rate of hydration of the cement and favourable curing conditions in warm, humid weather will help develop masonry strength if sufficient water is present at the time of construction.

MIA data sheet 7, *Factory-produced mortar for use at low and high temperatures* is downloadable from the resources section of [www.mortar.org.uk](http://www.mortar.org.uk).



## National winners of the 2016 Guild of Bricklayers Competition

Finals of the Guild of Bricklayers 2016 national competition took place at PETROC, Barnstaple, Devon at the end of July.

Jordan Richards of Derby College took the senior category award – and the MIA cup – while Tim Johnston of Stephenson College was the junior winner.

The finals were a culmination of a competition that included nine heats around the country. At each, finalists were given up to six hours to construct a brickwork model from drawings supplied.

Guild of Bricklayers president, Phil Vine-Roberts, said of the final: 'It was a fantastic day, it was a privilege to be involved in the judging on the day. The quality of work was truly excellent and all the competitors should be extremely proud of themselves.'

CPI Euromix supplied the mortar for the competition on behalf of the Mortar Industry Association

**National senior category winner, Jordan Richards of Derby College, receives the MIA cup from Guild of Bricklayers president, Phil Vine-Roberts (left) and CPI Euromix's Stuart Russell, who supplied the mortar for the competition**



# CPI Euromix delivers an award-winning performance at the Whitworth

**Mortar from CPI Euromix has met the exacting requirements of the architect and has played its part in some extraordinary brickwork at the award-winning new extension at the Whitworth Art Gallery in Manchester.**

Designed by McInnes Usher McKnight Architects (MUMA), the new two-storey extension to the University of Manchester's Grade II listed Whitworth Art Gallery has doubled the size of the public display space as well as creating new learning resources and a new visitor study centre. Winner of the Supreme Award at the Brick Awards 2015, the feature red brickwork comprises 90,000 smooth machine-made bricks which complement the dark red bricks of the original Edwardian building. A further 23 non-standard bricks were created by manufacturer Northcot Brick and incorporated in the external skin of the building.

Craftmanship and finesse in the detailing and striking the balance between the machine-made and handmade brick, was down to the skills of the specialist brickwork contractor Cara Brickwork working with CPI EuroMix, which supplied a constant quality of mortar to meet the client's exacting specification.

"We have worked with CPI Euromix for many years and have always been impressed with the consistency and colour of the mortar on projects, which is down to the efficiency of the silo mixing stations," commented Paul Dixon, Cara Brickwork. "In addition, the silo mixing station means our operators can produce the exact amount of material required and we have far less waste."



**Internal and external brickwork at the Whitworth Art Gallery**

For the efficient production and delivery of more than 175 tonnes of dry mortar, CPI

EuroMix provided two of its large silo mixing stations. Capable of holding up to 35 tonnes of dry mortar, the silo mixing station is delivered to site where it is plugged into water and power. As required, at the simple touch of a button, the silo produces a perfectly mixed mortar as well as maintaining colours.

CPI EuroMix produces a wide range of mortars which are available in an extensive range of standard and bespoke colours. Its mortars are accredited to BS EN ISO 9001:2000, the industry standard accreditation for quality control. Able to offer high grade mortar alongside its exact premixing silo mixing stations, CPI EuroMix ensures that projects benefit from quality mortars with high bond and compressive strength, durability and colour.

With the company's innovative approach to creating efficient methods of material delivery, whilst minimising waste, CPI EuroMix ensured this stunning new extension remained on track for completion.

## Resilient housing conference in London

Modern Masonry Alliance and The Concrete Centre are staging a one-day conference on resilient housing in London on 3 November.

The event is aimed at house builders, architects, local authorities and, indeed, all those involved in the provision, design, construction and maintenance of UK housing.

The organisers say that the conference is in response to the growing need to take full account of resilience in the design of UK homes. They promise a broad range of technical expertise will be provided.

Areas to be covered include practical guidance on BS 85500 flood resistant and resilient construction, best practice for the design of resilient concrete and masonry and an explanation of how resilience and changing demographics are impacting current and future housing needs.

Further information is available at [www.concretecentre.com/Housing2016](http://www.concretecentre.com/Housing2016).



essential materials  
sustainable solutions

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