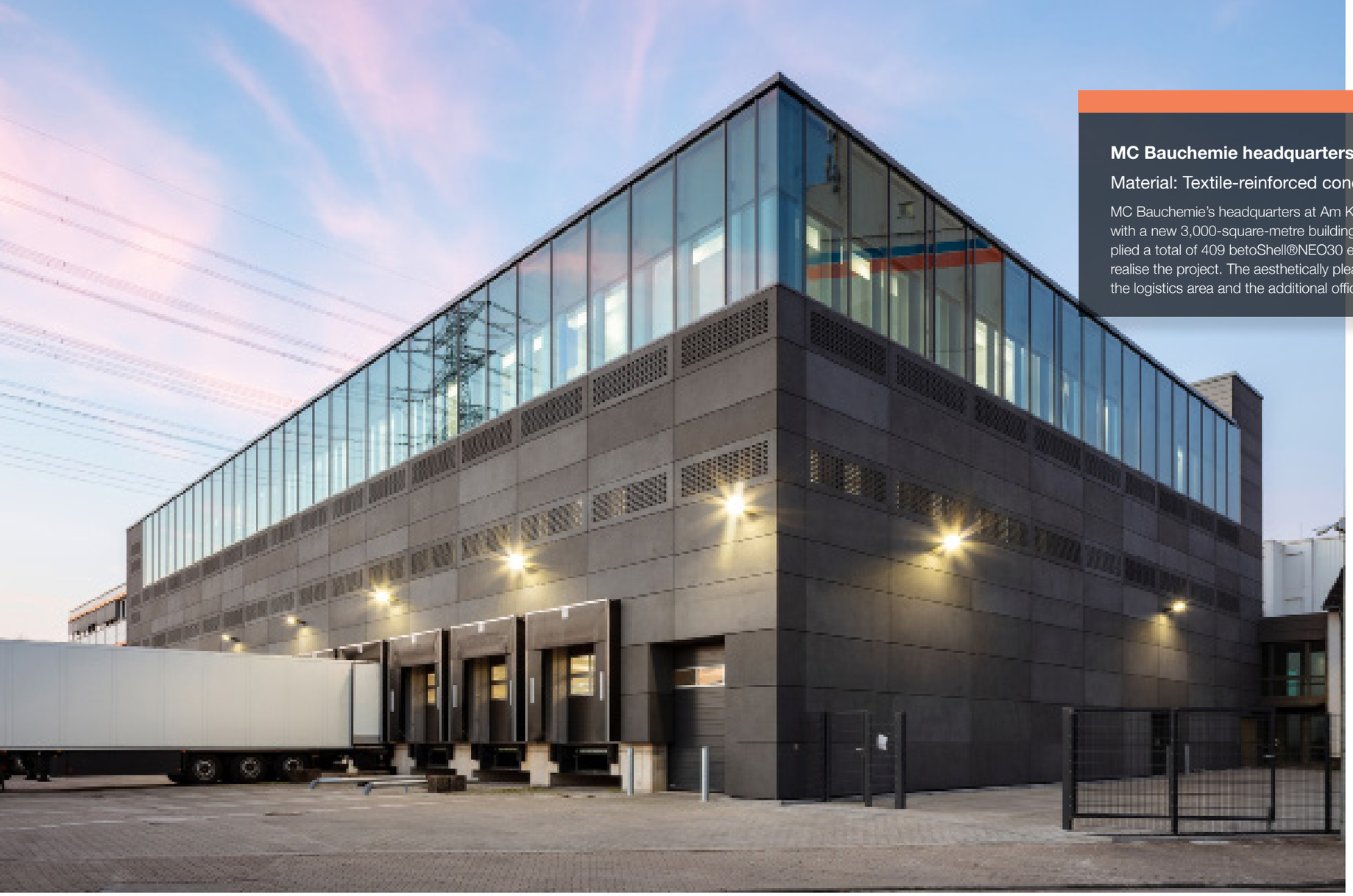
Hering Architectural Concrete

Architectural concrete façades | curtain wall façades | sandwich façades | textile-reinforced concrete | carbon-reinforced concrete | recycled concrete | light fibre concrete

HERING Architectural concrete

Your specialist for attractively designed finishes



MC Bauchemie headquarters | Bottrop, Germany

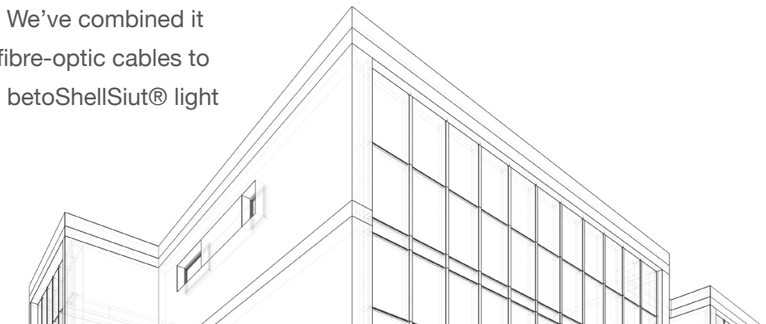
Material: Textile-reinforced concrete | Treatment: acidified

MC Bauchemie's headquarters at Am Kruppwald in Bottrop were extended and rebuilt with a new 3,000-square-metre building and numerous modernisations. HERING supplied a total of 409 betoShell®NEO30 elements in anthracite with an acidified finish to realise the project. The aesthetically pleasing concrete façade focuses the limelight on the logistics area and the additional office floor.

HAC | Our concrete priority is highest quality

Textile-reinforced concrete | carbon-reinforced concrete | recycled concrete | light fibre concrete

That also includes the choice of the appropriate material concept. In addition to architectural concrete façades and prefabricated concrete elements with classic steel reinforcement, we've developed a very effective and sustainable façade solution that uses textile-reinforced concrete as well as carbon-reinforced concrete: betoShell® is the slender and lightweight façade cladding that's ideally suited for upgrading façades to enhance energy conservation. We've combined it with SIUT's discreet fibre-optic cables to create our innovative betoShellSiut® light fibre concrete.



WDR mediagroup headquarters | Cologne, Germany

Material: Textile-reinforced concrete | Treatment: blasted, sanded

The building's modern outer shell was clad in white precast concrete elements by HERING. The finish has been refined by alternating sandblasted and sanded finishes. Slender betoShell® elements in the same look were used here for the stepped storey.

HAC | Professional external presentation

All just a front? That's right – but high-quality and beautiful fronts by HERING

HERING Architectural Concrete | For many years, HAC has been one of the leading manufacturers of sophisticated prefabricated reinforced-concrete elements and architectural concrete façades that are realised as exposed concrete or with attractive surfaces for use as curtain walls or sandwich façades.

The range of surface structures and material concepts along with sustainable manufacturing processes is being continuously further developed by such manufacturing specialists as HERING. We're always happy to start working with you on the proper staging of your projects during the planning phases.

Seminar Building (THM Mittelhessen) | Giessen

Material: Reinforced concrete | Treatment: sanded, formwork smooth

White blasted architectural concrete was the material chosen for the larger ‘C11’ building. A total of 218 panels was installed here over an area of 1,300 square metres. Highlights were created on the buildings with glass fronts that flood the entire floors with daylight.
A step into the future and a modern university location for Mittelhessen (Central Hesse).

HERING | HAC: Recycled concrete

The future of construction

Mineral construction waste – from the demolition of buildings, for example – is processed and used as an aggregate to manufacture recycled concrete (RC). The aggregate from these materials is employed as a substitute for the gravel or crushed natural stone that are normally employed in the production of concrete. It is possible to use crushed old concrete alongside masonry and brick rubble. This creates a variety of interesting colours.

Recycled concrete as a design element

The options for treating surfaces include, for example, fine washing, acidification and the sanding of surfaces.

Active contribution to environmental protection

One aspect that makes the use of recycled concrete in architecture attractive is the fact that it's possible to reflect the demolished old structure in the new build's components. It allows finishes to be realised that reveal the fact that recycled concrete has been used – thus immediately demonstrating that the technology is helping conserve natural resources and protect the environment.

Town hall façade | Korbach, Germany

Material: Recycled concrete / reinforced concrete | Treatment: blasted

We were tasked with the production of a suitable exposed concrete façade. The use of recycled concrete was important here. It was decided to use the red roof tiles reclaimed from the demolition of the old building as the colouring component to create a slightly reddish colour. In the end, more than 62% of the demolition material was used for the new building!

HERING | HAC: Material concepts

Textile-reinforced concrete

The betoShell® family of products that have quality mechanical characteristics and diversity in the design of the concrete in common are the result of decades of experience and continuous further development. But each 'member of the family' stands out for its particular strengths as have been outlined below.

betoShell Classic
filigree architectural concrete
Textile-reinforced concrete with a panel thickness of just 20 millimetres is the classic from the betoShell® family of products. And at maximum dimensions of 1,200 x 600 millimetres!

betoShell®FLEX30 – the slender carbon-reinforced architectural concrete
Carbon layers allow betoShell®FLEX30 to be made available beyond the usual dimensions in panel sizes of up to 2,400 x 1,200 millimetres. And that with a panel thickness of just 30 millimetres.

betoShell®FLEX40 – carbon-reinforced universal architectural concrete
betoShell®FLEX40 allows various substructures to be used and therefore opens up a wide range of application options. Elements with a panel thickness of 40 millimetres may be used with the same panel size as the betoShell®FLEX30.

betoShellSiut® – lightweight light fibre concrete façades in cooperation with SIUT
A combination of betoShell®FLEX40 textile-reinforced concrete and SIUT light effects. The combination of lightweight textile-reinforced concrete façades with fascinating lighting technology is almost unique and seeks its equal.

betoShell®NEO30 – the large two-layer façade element
The façade element possesses a two-layer carbon-fibre reinforcement from a panel thickness of just 30 millimetres. Panel sizes of 1,400 millimetres x 2,400 millimetres are possible here. The façade panel is around 70% lighter than conventional steel-reinforced ones and allows the storey-wide cladding of façades.

HERING | HAC: Material concepts

Reinforced concrete

Reinforced concrete is one of the most intelligent building materials – HERING is a specialist in the field of working with concrete: A perfect combination! HERING façade solutions and prefabricated reinforced concrete parts are manufactured at our own factory for prefabricated concrete parts – simply put: 'Made in Germany, made in Holzhausen'.

Concrete sandwich façades

Concrete sandwich façades represent load-bearing elements and are manufactured with three layers at the factory: the designed exposed layer on the outside, the insulation required for energy efficiency in the centre and the load-bearing layer on the inside.

Curtain walls

Curtain wall panels are stylistic elements that are used to encase buildings. The building's supporting structure bears their weight.

Recycled concrete

Mineral construction waste – from the demolition of buildings, for example – is processed and used as an aggregate to manufacture recycled concrete (RC). The aggregate from these materials is employed as a substitute for the gravel or crushed natural stone that are normally employed in the production of concrete. It is possible to use crushed old concrete alongside masonry and brick rubble. This creates a variety of interesting colours.

The options for treating surfaces include, for example, fine washing, acidification and the sanding of surfaces.

Hering
Architectural
Concrete

HERING Bau GmbH & Co. KG
Hering Architectural Concrete
Neuländer 1
D-57299 Burbach

Fon: +49 2736 27-250
Fax: +49 2736 27-256
info@hering-ac.de
www.hering-ac.com