A new concrete quality

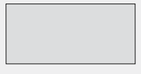
- **Fire resistance:** Class A1 thermic values and fire resistance according to DIN standard, highest fire resistance and thermal stability up to 350° Celsius.
- **Performance:** Highest loading capacity at minimum cross sections and enormous panel sizes set new standards in facade engineering for interior and exterior applications.
- **Long-term durability:** Proven long-term durability for both interior and exterior applications due to highest product quality.
- **Authenticity:** The use of purely mineral raw materials in the concrete matrix results in top quality meeting the highest requirements. fibreC is authentic. Natural concrete – nothing more, nothing less!
- **Formability:** Bending, forming and chamfering of elements in one piece at constant solidity and without adhesive.
- **Individuality:** A maximum degree of individuality of the elements is achieved by the new concept of industrial manufacturing. Each element is unique in size, colour and surface.
- **Green Product:** High standards in environmental protection and innovative technologies with ecological responsibility make fibreC a „green" product.

Technical Data

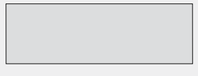
Building material class A1 (according to DIN 4102) - incombustible
Bending tensile strength min. 18 Mpa according to EN 12467
Elasticity module 10,000 N/mm²
Dead load 26 - 31.5 kg/m²
Thermal expansion coefficient $10x10^{-6}K^{-1}$
Thermal conductivity 2.0 W/m x k
Thermal stability according to slab humidity up to 350° C
Waterproof according to EN 12467
Thermal and rain testing according to EN 12467
Frost resistance according to EN 12467
35 international product and system tests, including:
Avis Technique, ISO 9001, ISO 14001, ETA, IBO, DIBT, Taywood/CWCT

Sizes

1200 x 2500 x 13 mm



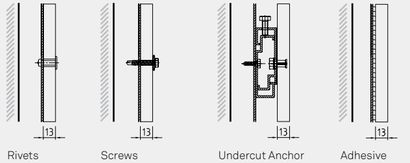
1200 x 3600 x 13 mm



Other sizes on request.

Fixing Systems

Visible **Concealed**



Rivets Screws Undercut Anchor Adhesive

References

Learning and Library Center, University of Vienna
Zaha Hadid Architects, Hamburg
6,300 m² fibreC facade | ivory & anthracite | FE

Soccer City Stadium - FIFA 2010, Johannesburg
Boogertman, Urban Edge and Partners, Johannesburg
30,000 m² fibreC facade | various colours

Opera House Bregenz
Dietrich | Untertrifaller Architects, Bregenz
3,300 m² fibreC facade | ivory & liquide black | FE

The Standard Hotel New York
Polshek Partnership Architects, New York
2,400 m² fibreC facade | anthracite | MA

City Hall Kolbermoor
Behnisch Architects, Stuttgart
1,000 m² fibreC facade | polar white, liquide black & green | FL

Merchant Square London
Mossessian & Partners, London
2,000 m² fibreC facade | silvergrey | MA

Ecole Nationale Supérieure d'Architecture, Straßburg
Marc Mimram Architects, Paris
600 m² fibreC facade | bianco | MA

Zaragoza Bridge Pavillon - EXPO 2008
Zaha Hadid Architects, London
11,500 m² fibreC facade | grey shades

Office building ZAC Landy SNCF, Paris
CALQ architecture, Paris
2,200 m² fibreC facade | anthracite | FE

PAN University Warsaw
Kontrapunkt V-Projekt, Krakow
2,000 m² fibreC facade | silvergrey | FE & MA

Energy Biosciences Building, University of California, Berkley
Smith Group, San Francisco
6,300 m² fibreC facade & interior walls | varous colours | FE

Dormitory Blok 1, Arnhem
Group A Architects, Rotterdam
1,800 m² fibreC facade | terra | FE, FL & MA



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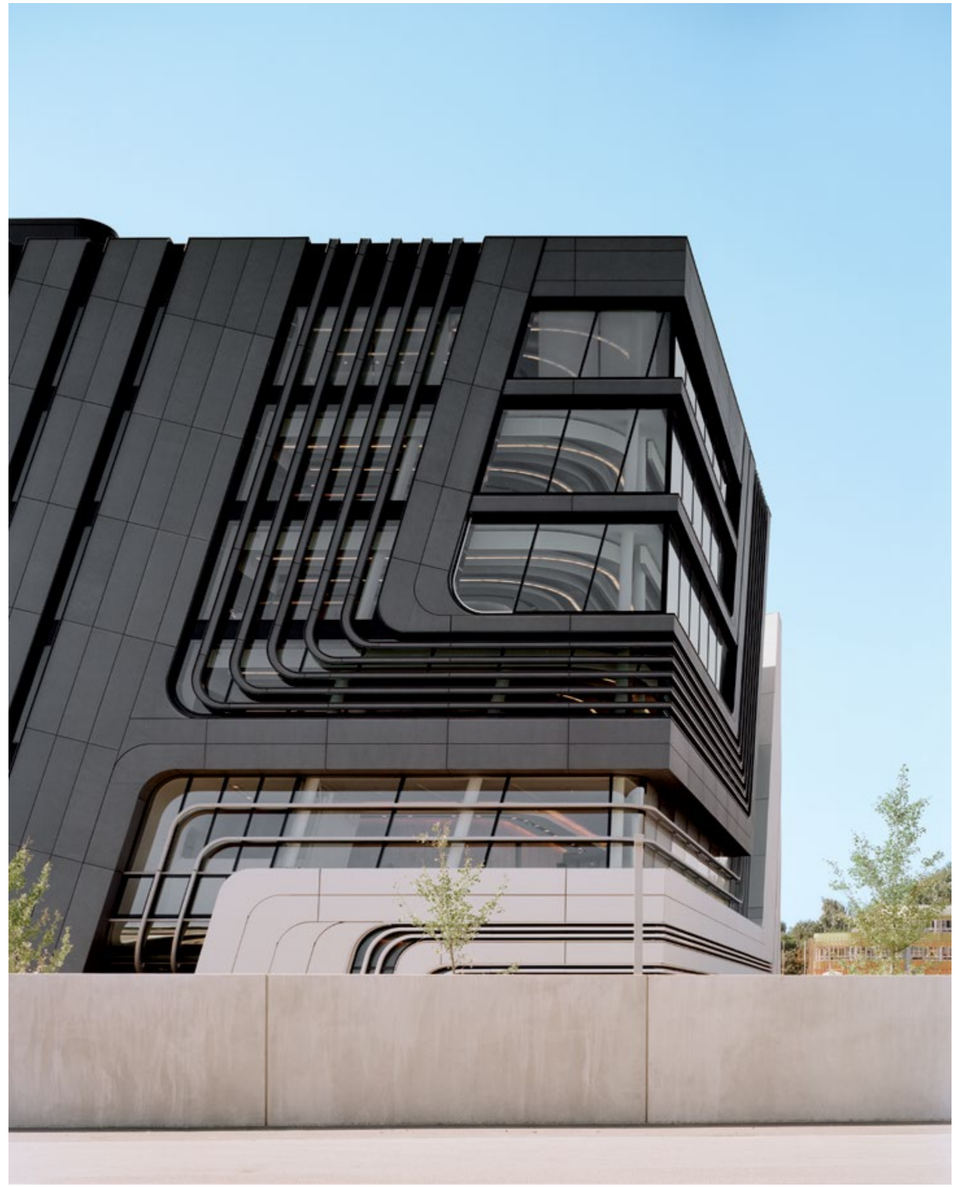
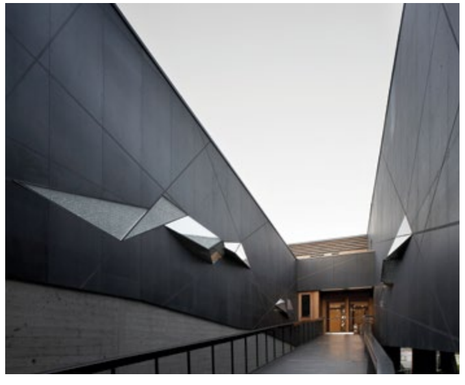


[fibre C]
BY RIEDER

Exterior

Concrete Skin - a facade cast in one piece
The development of fibreC was inspired by Rieder's vision of a concrete cladding panel that is both stable and lightweight, able to withstand the effects of weather and environmental conditions and at the same time sustainable and aesthetic. fibreC – the name is an acronym of the words "glassfibre" and "concrete" – is a glassfibre-reinforced concrete panel that unites the advantages of both glassfibres and concrete. Glassfibre-reinforced concrete is made of purely mineral raw materials, which give the panels their unique characteristics. The authentic appearance creates a vivid facade.

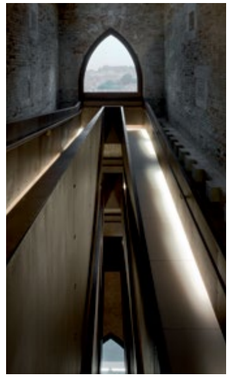


Copernicus Science Center Warsaw 13,000 m² fibreC facade | various colours | MA
Storefront for Art and Architecture New York fibreC facade | silvergrey | MA
Zaragoza Bridge Pavillon 11,500 m² fibreC facade | grey shades | MA & FE
Villa D. Bischofshofen 700 m² fibreC facade | terra | FE

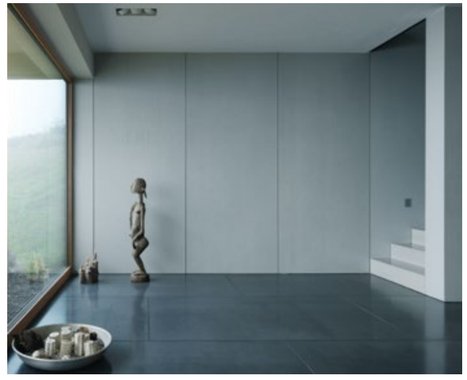
Soccer City Stadium Johannesburg 30,000 m² fibreC facade | various colours
National Park Center Mittersill 450 m² fibreC 13 mm | anthracite | MA
Villa Ried im Innkreis 200 m² fibreC facade | sandstone | FE

Interior

Concrete has never been more versatile
As fibreC can be used for all surfaces, it becomes possible to overcome traditional boundaries of space and increase the flow of materials. Interior and exterior spaces are merged into one, thus increasing new and innovative design options for members of the architectural community. Modern and pure at the same time, fibreC blends perfectly into interior spaces and articulates calmness and clarity. Owing to its formability, fibreC offers flowing transitions from interior to exterior surfaces and a smooth covering for edges and corners.

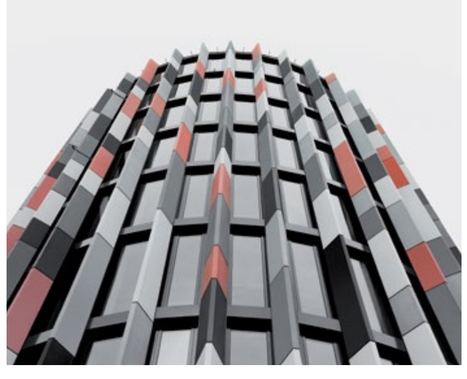


Museum of Modern Art Zagreb 2,000 m² fibreC wall & stairs | anthracite | FL
Special applications fibreC | silvergrey | MA
Torre dell' Arsenale Venice 250 m² fibreC floor & stairs | silvergrey | FL
Eurostars Book Hotel Munich 1,000 m² fibreC 3D facade | ivory & liquide black | FE



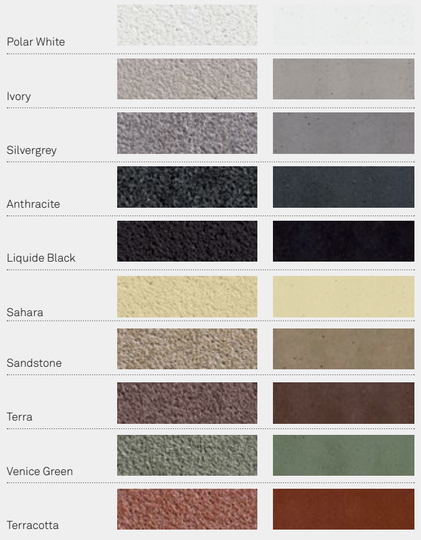
Individual

The third dimension
Special colours, perforations, individual forms and three-dimensional elements offer planners ample scope for creativity. Complicated geometries, biomorphic forms free - concrete facade elements are no longer limited by two-dimensional sheet material. Due to special production techniques almost every realisation of unique and individual designs is possible, whether as sunscreen fins or brise soleil elements with faced concrete quality on both sides.



Villa R. Maishofen 500 m² fibreC wall & floor | ivory | MA
Main Point Karlin Prague 6,800 m² fibreC 3D facade | various colours | FE

Colours and textures



Additional textures and colours available, special colours min. project size 1,000 m².

In the sign of nature

Natural
As more than 95% of fibreC glassfibre concrete consist of purely mineral components, fibreC is very health and environment friendly. Due to the fact that it is deemed foodstuff safe, fibreC is even used in bread and pizza ovens!

Sustainable
The production of fibreC causes 40% less global warming potential than fibre cement panels or aluminium sheets based upon IBO criteria. Because of its excellent eco-profile, fibreC spends 70% less primary energy than the production of HPL-panels (Ref. IBO Product Test 06/2007).

Durable
Because of its life expectancy of more than 50 years, fibreC is not only an economic, but also a resource-saving solution for facades. The environment management at Rieder is certified according to ISO 14001.

Certifications
In addition to the Certificate of the Austrian Institute for Healthy and Ecological Building (IBO) fibreC is awarded by the Institute for Building and Environment. The European Environmental Product Declaration (EPD) demonstrates the sustainable character of the Rieder concrete products.

Biological
fibreC is listed at GreenSpec® Directory. GreenSpec offers an information service for environmental preferable products and lists materials that meet strict biological and ecological criteria.

Green Building
LEED® (Leadership in Energy and Environmental Design) is the most important standard for developing high-performance, sustainable buildings in the USA. Numerous LEED Platinum and LEED Gold certified buildings were implemented in recent years with a fibreC facade.