

formparts

folded glassfibre reinforced
concrete panels for facades

Beton lebt.



RIEDER



Unitized facades made of concrete

It's through the 'industrial manufacture' concept that fibreC glassfibre reinforced concrete panels can be formed into 3D elements whilst maintaining a thickness of only 13 mm. The elements with a monolithic appearance provide architectural concrete's high flexibility and a whole range of design possibilities.

The curved elements are cut-to-measure as an individual piece; they are available as a L-cross-section or U-cross-section respectively, as round arch and also in special shapes. The shaped parts can be combined with the large-format concrete skin facade panels. At a length of up to 4.5 metres, they can take up one whole storey of a home in a single construction element.

HANG
CONCRETE
ON
CURTAIN
WALL



To secure non-visible fastening, an intelligent system with integrated fastening anchors was developed. Weather-proof pre-assembly in the factory guarantees a high standard of quality and rapid assembly on-site. The elements are simply hung into place and finely-adjusted into position.

Despite their enormous length, and depending on geometry and static factors, formparts can be installed with only two fastening points per element. Thanks to their low weight and the high range of their span, less sub-construction material is needed. As a result, formparts offer an economical solution for the whole building envelope.

LEFT

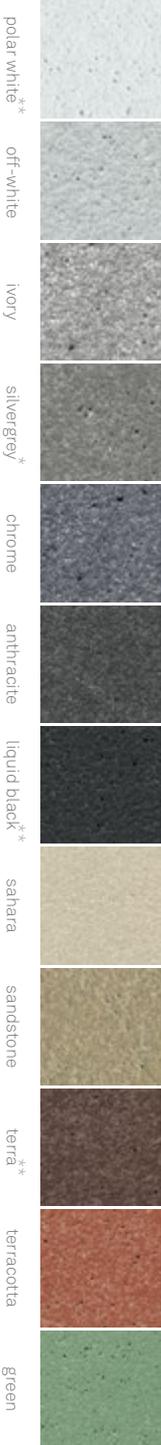
citizenM Hotel, Tower of London
Sheppard Robson Architects

CENTER

CILSE, Boston University
Payette

RIGHT

Life Sciences Building, University of Vilnius
UAB Architecture Linija



* Discounted color
** Premium colors

Technical data

Forms

L-formpart / U-formpart / round arch / special formpart
Processing width max. 1300 mm | 4.265 ft
Length up to 4500 mm | 14.764 ft depending on geometry

Colors

12 colors, through-colored
Surface: FE ferro (sandblasted)

Product characteristics

Building material class A1 (according to DIN 4102), non-combustible
Dead load / mass per unit area 26 - 31.5 kg/m² | 5.33 - 6.45 lbs/ft²
(depending on color)

Fixing

Rivets, screws, undercut anchor, special solutions

More colors, surfaces and forms are available on request.



Rieder's facade specialists and the company's established network offer support for architects and planners in all project stages, from the early planning phase right through to the implementation. R2R - 'Rendering to Realisation' – is the term characterising this integrative approach at Rieder; it is directed at development of a holistic solution for the envelope of buildings and includes optional service, such as the elaboration of the design, facade optimisation, static calculations, fastening-methods, mock-ups and prototyping, sub-constructions used on elements, pre-assemblies and logistics concepts.



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