



cast

3-dimensional facades made
of fibre reinforced concrete

Beton lebt.



RIEDER

The third dimension

The product innovation cast enables architects and builders to use 3-dimensional freeform elements on facades with complex geometries. cast elements have a visual compatibility with extruded concrete skin panels.

Architectural concrete | “Monolithic cast“ is a special production technology for cladding elements with faced concrete quality on both sides. Various colours and surface textures such as relief concrete (by the usage of formliners) are available. Each element consists of a uniform and non-seperable unit for a monolithic appearance.

Individual | The modular formwork construction is done based on the architects' individual design. Self compacting concrete (SCC) reinforced with fibres is pumped into the formwork to build positive as well as negative forms with dimensional accuracy. The colour of the concrete matrix is variable. The characteristic appearance of concrete creates a vivid and authentic surface on the facade.

Economical solution | A high repeatability of the produced 3D elements and the combination with flat concrete skin panels offer builders an economical solution for the whole building envelope.

Intelligente assembly | Fixing anchors can be integrated during the production process (concealed) or added with screws later on. The optional use of barcode technologies (scanning) provides advantages in logistics.





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.

550 m² cast elements with a thickness of 7 cm are cladding the Lontoonkatu 9 project in Helsinki, designed by Kirsi Korhonen and Mika Penttinen Architects. The entire facade was divided into 16 different types of panels with lengths up to 3.8 m. More than 400 concrete elements with faced concrete quality on both sides offer an interesting view from inside of the building.



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Please note Subject to misprints and typesetting errors. For further product specifications please refer to „cast Charakteristik“ on www.rieder.cc.
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