

GRC FACADES

REFERENCE PROJECTS AND INSTALLATION PRINCIPLES

DURABLE.

Glassfibre reinforced concrete (GRC) is concrete for a new era. It is a hard material with a dense surface and extreme durability of more than 100 years. Danish, eco-friendly and sustainable production with low energy consumption and without any toxic materials.

LIGHTWEIGHT.

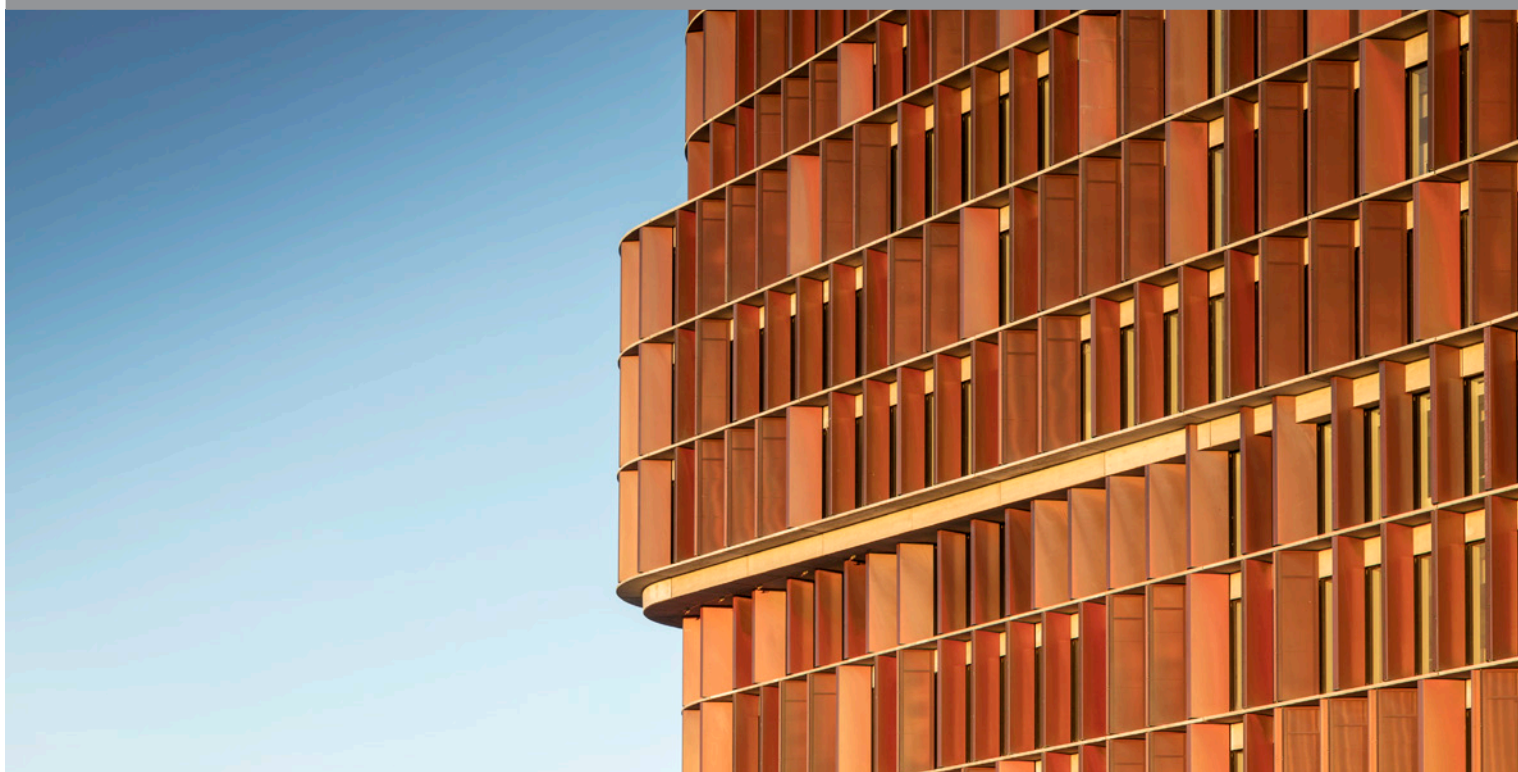
Glassfibre reinforced concrete (GRC) is sprayed into molds and formed into elements of often 12 mm thickness. The thin-shell elements are lightweight and therefore reduce both sub-constructions, load on buildings, and CO₂ emissions during transport. GRC is easy and simple to handle and install.

FORMABLE.

Glassfibre reinforced concrete (GRC) is becoming more and more popular among architects as it gives great design freedom and thus help challenge the boundaries of architecture. With GRC, ideas can be shaped in sizes and geometry. GRC can take any form, and appearance of surface can be detailed for both new buildings and renovations.

MÆRSK BUILDING

Copenhagen Denmark
Research center for life-style diseases



DATA BUILT AND QUANTITY

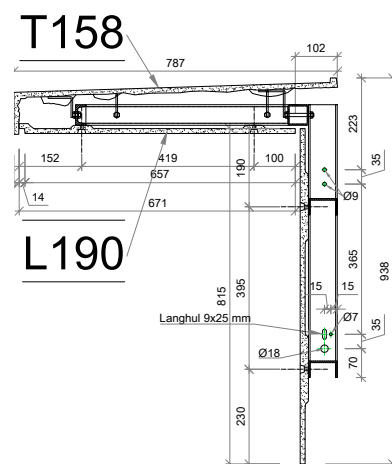
Finished 2016

Approx. 8,000 elements in approx. 1,000 variants

Approx. 11,000 m² of GRC both on facade and inside cladding

MOUNTING SYSTEM

Mix of stud-frame, embedded steel bracket and recessed holes



ARCHITECT

C.F. Møller Architects A/S

ENTREPRENEURS FOR GRC

Wagner-Biro Stahlbau Ag

N. H. Hansen & Søn A/S

GRC PRODUCER

BB fiberbeton A/S, Denmark

SORGENFRIVANG II

Virum, Denmark
Apartment building, 15 stories



ARCHITECT

DOMUS arkitekter a/s

ENTREPRENEURS FOR GRC

NCC Construction A/S

GRC PRODUCER

BB fiberbeton A/S, Denmark



DATA BUILT AND QUANTITY

Finished 1. stage 2016, 6. and final stage in 2019

Approx. 13,000 elements

Approx. 20,000 m² of GRC (facade)

MOUNTING SYSTEM

Mix of stud-frame, embedded steel bracket and FA1000®-system

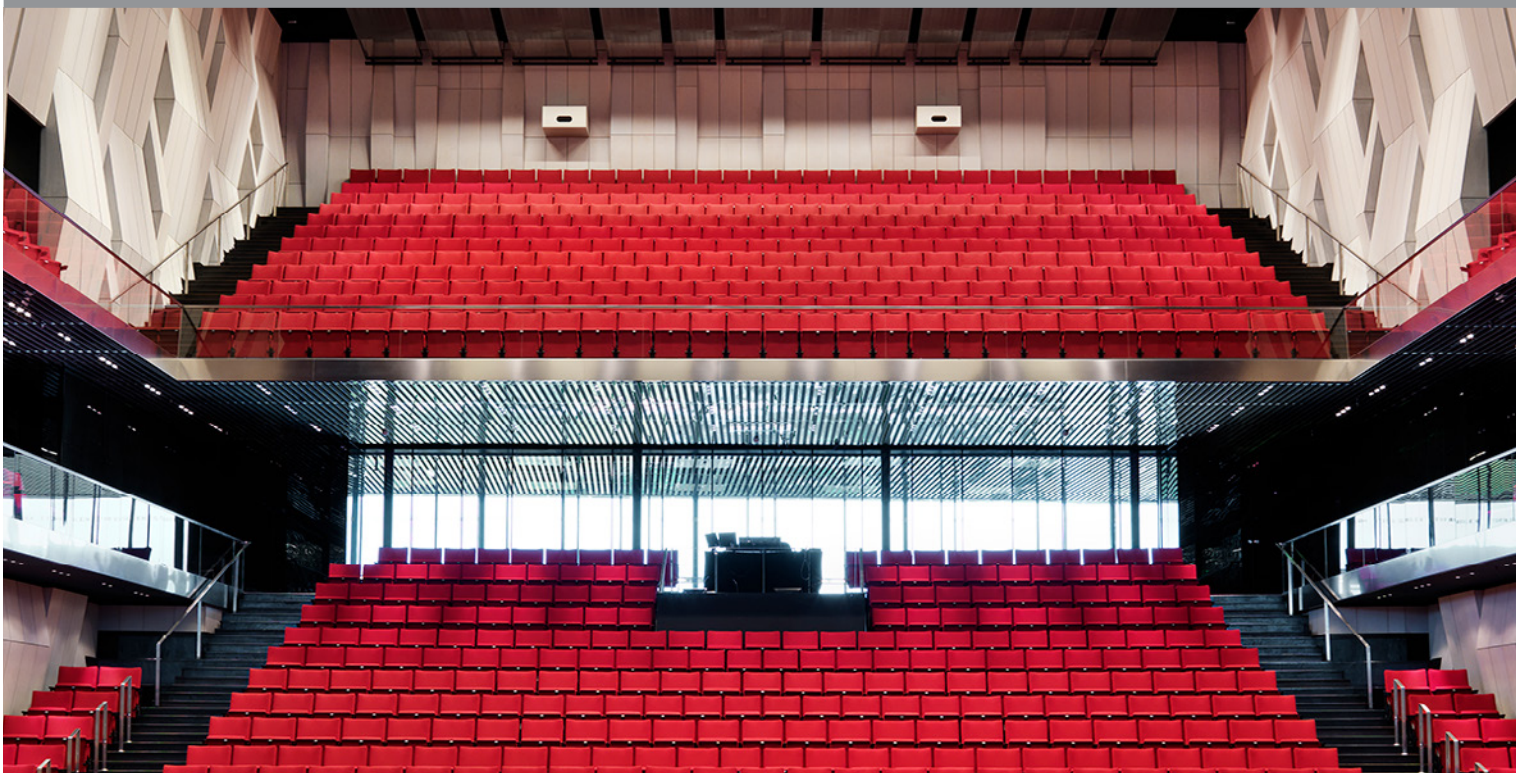
“ BB fiberbeton has made it possible for us to work with lighting, shadows and textures in a modern expression with respect for the original qualities of the building”

Jesper Ingemann Mogensen,
Partner / Architect MAA,
DOMUS arkitekter a/s



UPPSALA CONCERT HALL

Uppsala, Sweden
Art



DATA BUILT AND QUANTITY

Finished 2008
Approx. 2,000 m² of GRC
(internal facade)

MOUNTING SYSTEM

Stud-frame

ARCHITECT

Henning Larsen Architects

ENTREPRENEURS FOR GRC

PEAB AB

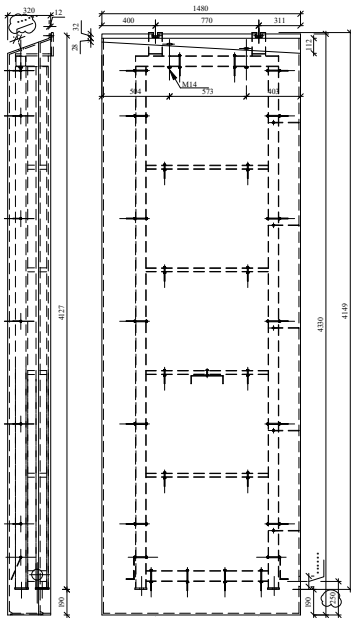
GRC PRODUCER

BB fiberbeton A/S, Denmark



KRISTALLEN

Lund, Sweden
City hall



ARCHITECT

Christensen & Co Arkitekter A/S

ENTREPRENEURS FOR GRC

REKAB Entreprenad AB - STATICUS UAB

GRC PRODUCER

BB fiberbeton A/S, Denmark

DATA BUILT AND QUANTITY

Finished 2014

Approx. 2,000 m² of GRC (facade)

MOUNTING SYSTEM

Stud-frame

KV FRIHEDEN

Hvidovre, Denmark
Apartment building



DATA BUILT AND QUANTITY

Finished 1. stage 2015,
and final stage in 2019
Approx. 26,000 elements

MOUNTING SYSTEM

Mix of stud-frame, embedded steel
bracket and FA1000®-system

ARCHITECT

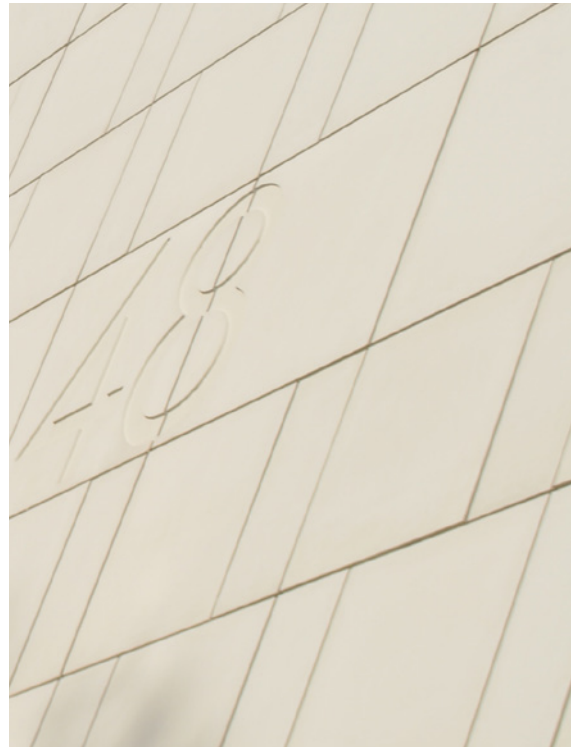
Friberg & Lassen A/S

ENTREPRENEURS FOR GRC

Adserballe & Knudsen A/S

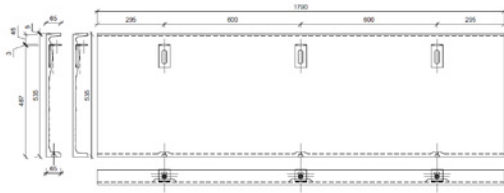
GRC PRODUCER

BB fiberbeton A/S, Denmark



AARHUS

Århus, Denmark
Apartment building



DATA BUILT AND QUANTITY

Finished in 2019.
250 apartment buildings
- approx. 1000 GRC elements

MOUNTING SYSTEM

Embedded steel brackets



ARCHITECT

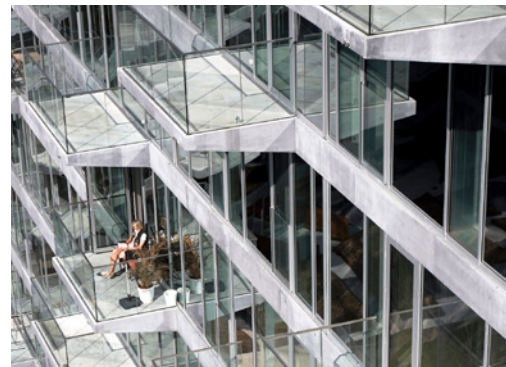
BIG (and Gehl Architects and
Kilden & Mortensen)

ENTREPRENEURS FOR GRC

Kai Andersen A/S

GRC PRODUCER

BB fiberbeton A/S, Denmark



SKY PARK

Bratislava, Slovakia
Apartment building



DATA BUILT AND QUANTITY

Finished first tower in 2019,
and final tower in 2020.
4 apartment buildings,
more than 700 apartments

MOUNTING SYSTEM

Stud-frame



ARCHITECT

Zaha Hadid Architects

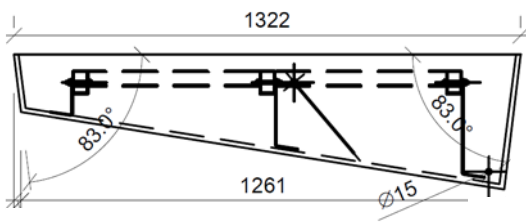
ENTREPRENEURS FOR GRC INGSTEEL

GRC PRODUCER

BB fiberbeton A/S, Denmark

AFI VOVOICE

Prague, Czech republic
Office building



DATA BUILT AND QUANTITY

Finished in 2018
- approx. 9.697 m²

MOUNTING SYSTEM

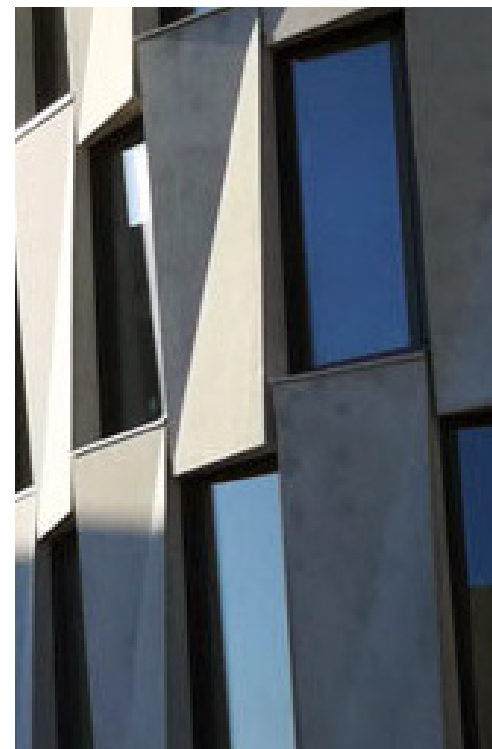
Stud-frame



ARCHITECT
DAM architects

ENTREPRENEUR
GEMO

GRC PRODUCER
BB fiberbeton A/S,
Denmark



JÖNSAPLAN

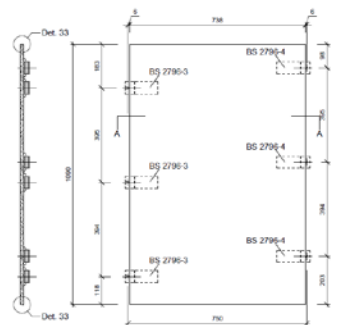
Landskrona, Sweden
Hotel Öresund



ARCHITECT
Jais Architects

ENTREPRENEURS FOR GRC
Arne Paulssons Byggnads AB

GRC PRODUCER
BB fiberbeton A/S, Denmark

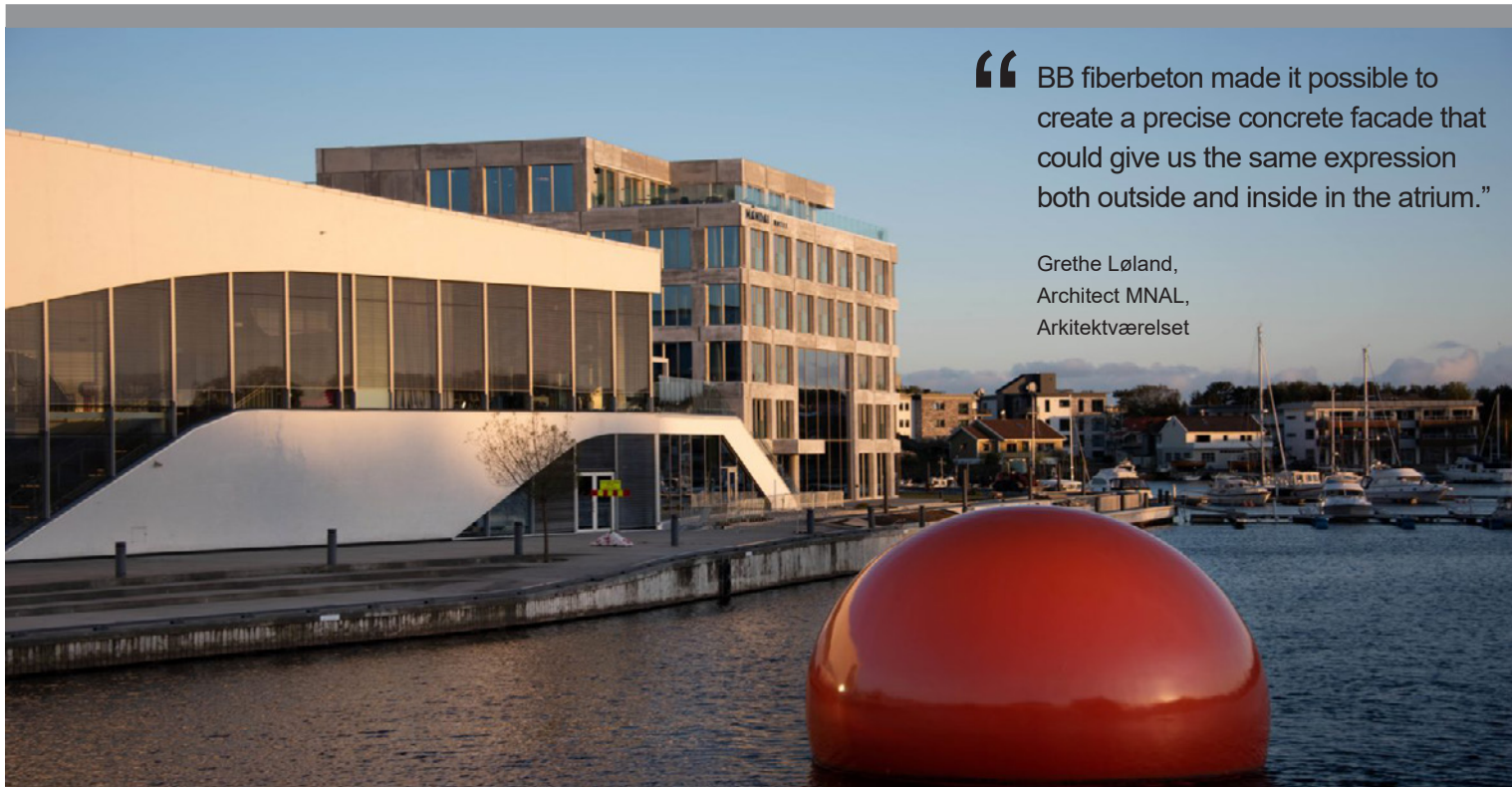


DATA BUILT AND QUANTITY
Finished in 2018
Approx. 500 m²

MOUNTING SYSTEM
Mix of stud-frame and
embedded steel bracket

MANDAL HOTEL

Mandal, Norway
Hotel



“ BB fiberbeton made it possible to create a precise concrete facade that could give us the same expression both outside and inside in the atrium.”

Grethe Løland,
Architect MNAL,
Arkitektværelset



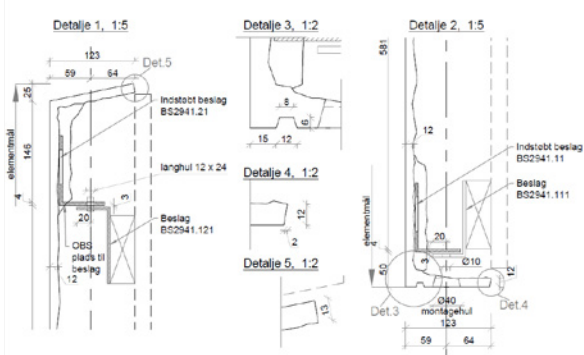
ARCHITECT
Arkitektværelset AS

ENTREPRENEURS FOR GRC
Krusse Smith Entreprenør AS

GRC PRODUCER
BB fiberbeton A/S, Denmark

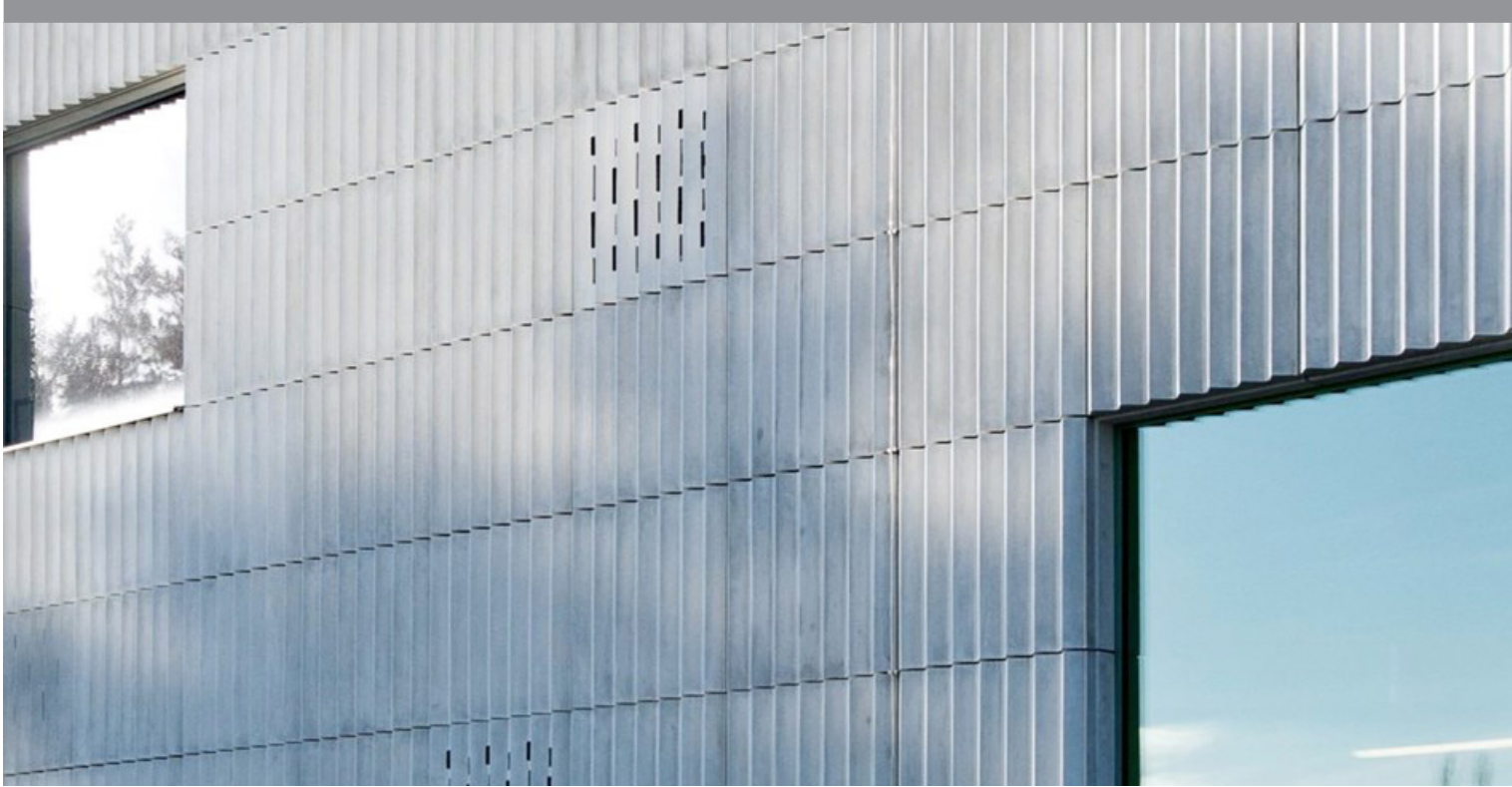
DATA BUILT AND QUANTITY
Finished 2019
Approx. 1,650 m² of GRC

MOUNTING SYSTEM
Stud-frame



KVIBERG

Gothenburg, Sweden
Crematorium



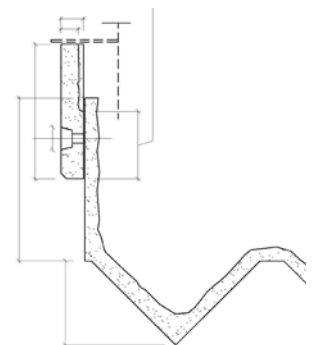
ARCHITECT
Erseus Architects

ENTREPRENEURS FOR GRC
Tuve Bygg

GRC PRODUCER
BB fiberbeton A/S, Denmark

DATA BUILT AND QUANTITY
Finished in 2017
Approx. 1,123 m²

MOUNTING SYSTEM
FA1000®-system



SKELAGERGÅRDEN

Aalborg, Denmark
Apartment building



DATA BUILT AND QUANTITY

Finished 1. stage 2008,
and final stage in 2010.
24 apartment buildings
- approx. 12,000 m²

MOUNTING SYSTEM

Stud-frame



ARCHITECT

KAAI - Kærsgaard & Andersen A/S

ENTREPRENEURS FOR GRC

JORTON A/S

GRC PRODUCER

BB fiberbeton A/S, Denmark

TINGSHUSET

Kristiansand, Norway
Apartment building



DATA BUILT AND QUANTITY

Building year 2017-2018
Project size 17,000 m²
of GRC (facade 6,755 m²)

MOUNTING SYSTEM

Recessed holes and
stud-frames

ARCHITECT

NSW arkitektur Oslo

ENTREPRENEURS FOR GRC

Kruse Smith A/S

GRC PRODUCER

BB fiberbeton A/S, Denmark



SURFACE AND TEXTURE



SURFACE AND TEXTURE



WHY GRC?

BB fiberbeton (glassfibre reinforced concrete) is made of white cement and crushed dolomite reinforced with glass fibre.

The material is spray-cast to make thin-shell elements custom designed for the job. The material and production method mean extensive architectural and structural freedom, whilst assembly is quick and simple. We produce a variety of shades and finishes in all kinds of projects. We work closely with and advise designers, architects and engineers.

BB fiberbeton's material is eco-friendly and has a low environmental impact.

MOUNTING SYSTEMS

Typically facades are produced with one of the following mounting solutions:

- FA1000™
- Stud-frames
- Embedded steel brackets
- Embedded inserts

FA1000™

FA1000™ is a unique facade and installation system offering a range of options. FA1000™ was developed by BB fiberbeton AS and is currently in use on many facades in Denmark and Sweden.

FA1000™ is used as a climate screen for lightweight facade constructions, and is adapted to each facade project. FA1000™ is easy to install and with elements adapted to individual facades, helps give the facade a clean, harmonious appearance with hidden fastenings.

Facades - a range of options, including the surface. Plenty of choice for colour, surface structure, painting or actual patterns.

GRCA

BB fiberbeton is accepted into the GRCA as a "Full Member" which means we have sufficient resources in plant, equipment and labour to consistently design and manufacture high quality GRC. We also have quality management systems and production controls in place to comply with the requirements of the GRCA Specification, Method of Testing and Practical Design Guide.





EXCLUSIVE TO



METZ®

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