Arch.: Delugan Meissl Associated Architects

EQUITONE

Fibre cement facade materials

Arch.: RDBM Architecten & Adviseurs

2

3

Arch.: Delugan Meissl Associated Architects
Photo: Brigida González

EQUITONE fibre cement facade materials

When Ludwig Hatschek invented fibre cement in the late 19th century, he combined the basic elements of the earth: mineral materials, water, air and fire (heat) in a simple filtration process. He named the resulting material “Eternit”, hinting at the superior durability of this new material. Our mother company, Etex, has been manufacturing fibre cement materials since 1905. The most prestigious incarnation in this proud heritage of unique materials is the EQUITONE® facade material range. The Hatschek production process makes each EQUITONE facade panel unique with an individual fibre cement texture.

In the 1950s leading architects such as Walter Gropius pioneered the use of coated fibre cement panels using the ventilated facade (rainscreen) system. Designer Willy Guhl created the famous “loop chair” from 1 piece of fibre cement in 1954. This design still bears witness to the core qualities of the fibre cement base material: thin, light, durable and beautiful. In 1987, Herzog & De Meuron designed the Ricola storage building in Laufen using uncoated fibre cement panels. The resulting shutter facade, which is a reference to the cardboard boxes inside, inspired our company to start the industrial development of raw untreated fibre cement materials.

Today, EQUITONE has a range of through-coloured, untreated fibre cement materials. Leading architects of our time are exploring and transforming the EQUITONE material in remarkable facade designs.

Design potential

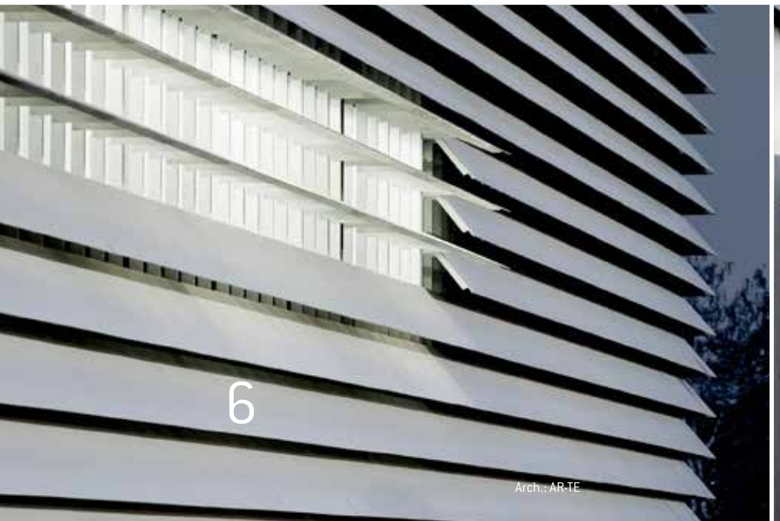
Shapes

EQUITONE facade materials offer design flexibility and can be cut in to many shapes and sizes. The material can be perforated using waterjet or CNC machines, it can even be embossed and printed.

Design material

Many architects and designers have also applied EQUITONE fibre cement materials in interior and furniture design.

Arch.: Boguslaw Worwzezcka i zespol



Arch.: AR-TE

Arch.: Regina Schineis

Arch.: Busmann + Haberer

Arch.: Astrid Bornheim

EQUITONE [linea]

Arch.: Studio Weave

EQUITONE [linea]*

Design
Unique 3D shaped, through-coloured facade material that plays with light and shadow.

Finish
The linear surface highlights the raw inner texture of the core fibre cement material.

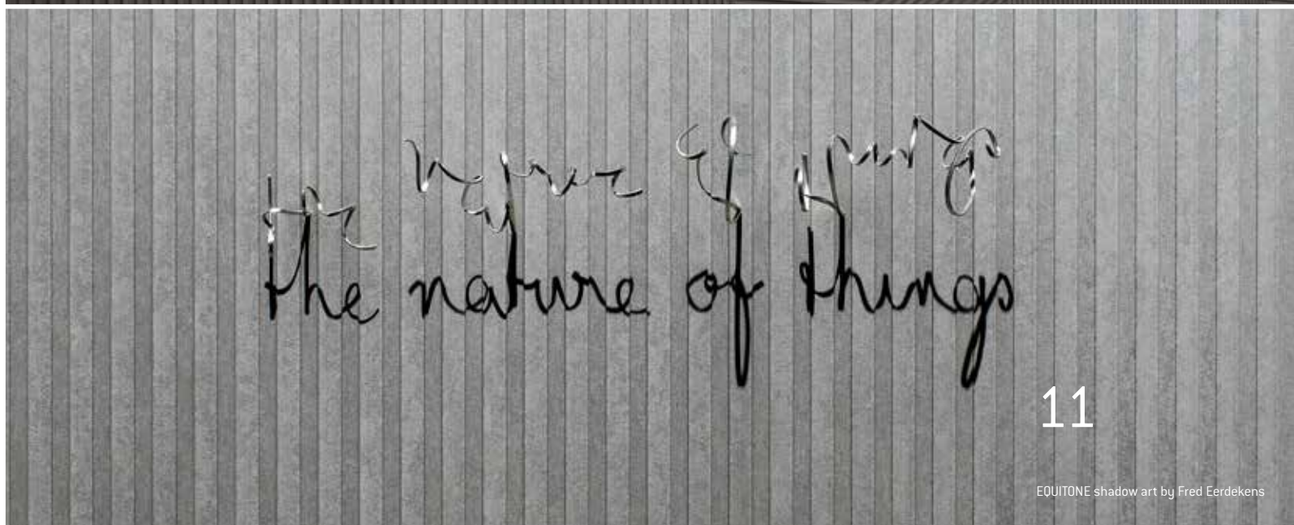
Expression
Every moment of the day, the changing angle of the daylight gives the facade material a different aspect.

Thickness	Sheet sizes	Nominal weight
10mm	2500 x 1220, 3050 x 1220 mm	16.8kg/m^2

* Naturally occurring white flecks may be visible which adds to the aesthetics of the material

For additional information and technical advice
Email: infouk@etexgroup.com
Visit: www.equitone.co.uk

Arch.: Studio Weave



EQUITONE shadow art by Fred Eerdekens

Arch.: RDBM Architecten & Adviseurs

EQUITONE [tectiva]*

Authenticity
Original through-coloured material with highly expressive fibre cement structure.

Individuality
The production process makes each panel unique in colour, texture and surface.

Tactility
Rough, unpolished fibre cement surface with delicate linen touch.

Thickness	Sheet sizes	Nominal weight
8mm	2500 x 1220, 3050 x 1220mm	14.9kg/m^2

* Naturally occurring white flecks may be visible which adds to the aesthetics of the material

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Arch.: B-architecten,

EQUITONE [materia]

Arch. K. Reubens, M. Muylaert (Bonheiden)

EQUITONE [materia]*

Appearance

Through-coloured facade material that accentuates the beauty of fibre cement.

Distinct

The material encompasses the characteristics of cement, whereas the fibres render its surface textured yet velvety.

Aspect

The ever-changing atmosphere, gives the material natural subtle shade variations.

Thickness	Sheet sizes	Nominal weight
8mm	2500 x 1250, 3100 x 1250 mm	15.4kg/m^2
12mm	2500 x 1250, 3100 x 1250 mm	22.8kg/m^2

* The surface may show variations in tone and appearance which adds to the aesthetics of the material.

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Storm Grey (MA400)

Grey Mist (MA200)

Arch. K. Reubens, M. Muylaert (Bonheiden)

EQUITONE [natura]

Arch.: DRP Baukunst

EQUITONE [natura]

Sophistication

Natural material with clearly visible yet subtle fibre cement matrix, in a range of through-colours.

Soft touch

Matt, silk smooth surface finish.

Protection

Transparent protective layer. Optional EQUITONE ¨PRO¨ anti-graffiti protection.

Thickness	Sheet sizes	Nominal weight
8mm	2500 x 1250, 3100 x 1250 mm	15.4kg/m²
12mm	2500 x 1250, 3100 x 1250 mm	22.8kg/m²

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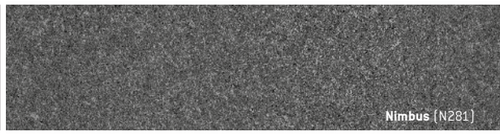

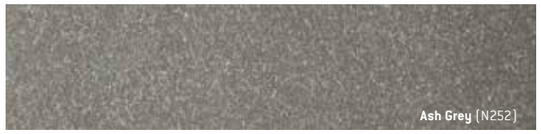

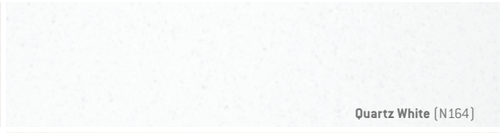

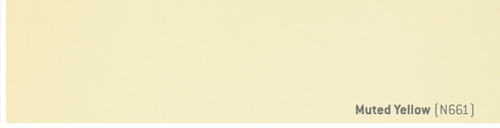

EQUITONE [pictura]

Arch.: Jo Coenen Architects and Urbanists

EQUITONE [pictura]

Colour

EQUITONE [pictura] offers a selection of contemporary colour coatings.

Matt surface

Smooth and ultra-matt finish for high class architectural look.

Anti-graffiti

EQUITONE [pictura] is treated with the EQUITONE ¨PRO¨ UV coating for everlasting anti-graffiti protection.

Thickness	Sheet sizes	Nominal weight
8mm	2500 x 1250, 3100 x 1250mm	15.4kg/m^2
12mm	2500 x 1250, 3100 x 1250mm	22.8kg/m^2

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Matt Black (PA041)

Espresso* (PA944)

Gunmetal Grey (PG241)

Mocha* (PG844)

Moonstone (PG243)

Fawn Grey* (PG843)

Porcelain (PW141)

Parchment (PW841)

Sky Blue* (PG442)

Powder Yellow* (PG641)

Regency Blue* (PG443)

Antique Yellow* (PG642)

Navy Blue* (PG444)

Olive* (PG542)

Teal* (PG546)

Pale Orange (PG742)

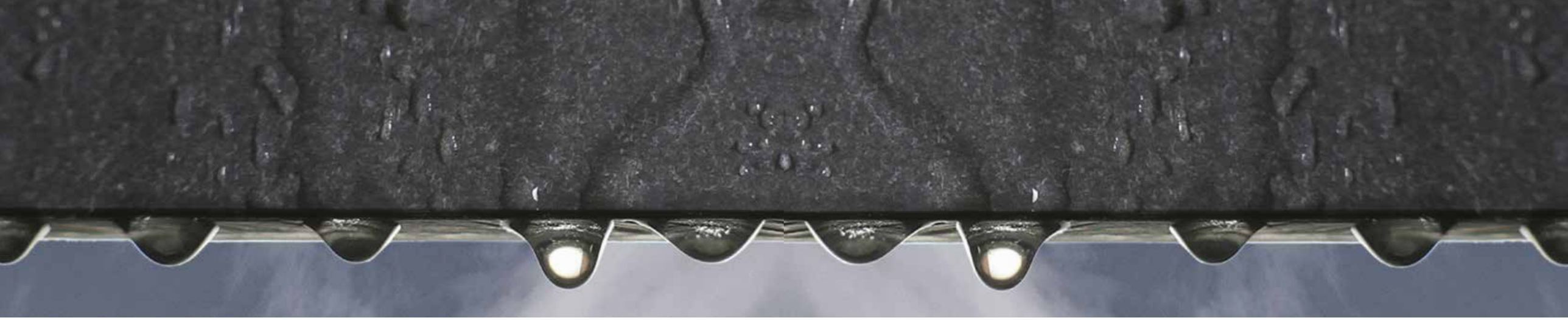
Autumn Green* (PG545)

Volcanic Red (PG341)

Bright Green* (PG544)

Deep Purple* (PG342)

* These colours are made to order and may be subject to longer lead times.



Ventilated facade

Originated in Scandinavia centuries ago, the ventilated facade (rainscreen) technique is now very prominent in areas with demanding climatic conditions.

In the rainscreen system, the outer panel deflects rain and solar heat away from the building. The ventilation space allows air to freely circulate behind the panel, creating a well ventilated and comfortable inner building.

Versatility

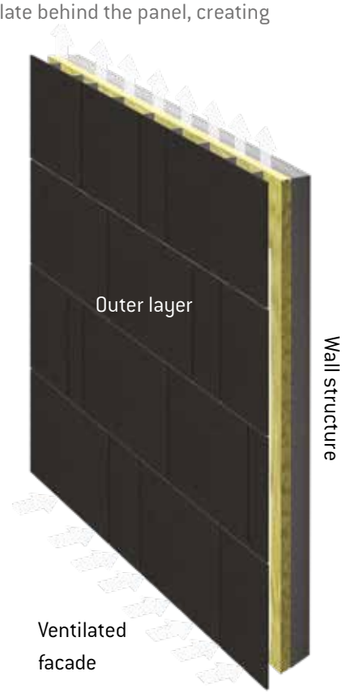
The ventilated facade construction principle combines the capability of curtain wall construction with the creative versatility and adaptability offered by traditional building techniques.

Less is more

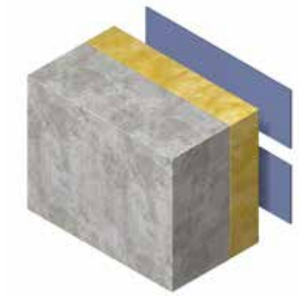
A ventilated facade system has minimal thickness and weight, yet it offers maximum performance.

Healthy

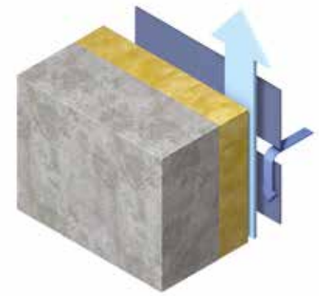
The ventilated facade construction principle avoids cold bridges, eliminating condensation and mould growth.



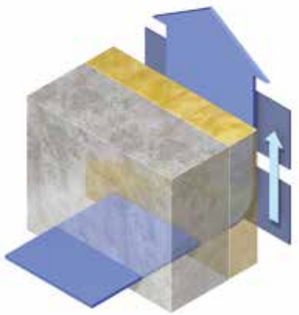
Ventilated facade



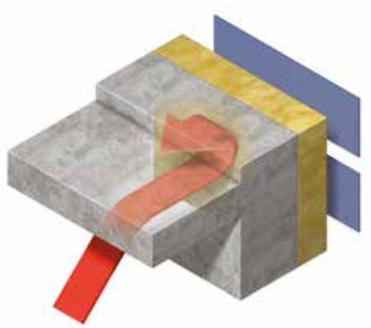
Insulation



Rainwater removal



Removal of interstitial condensation



Minimisation of thermal bridging

A range of fixing systems are available to meet the variety of EQUITONE facade materials. Careful choice of product and system will allow any specification to be met.

Secret fix systems

The fixing method chosen can have a fundamental and dramatic effect upon the final appearance of the facade. Employing a secret fix method will result in a sheer, smooth facade unobstructed by fixings. In practice, many versions of secret fixing exist, including infill or composite panels.

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Site bonding

The structural bonding system utilises structural adhesive to fix both internal and external cladding panels to a support framework. It will bond panels to either a timber or aluminium framework.

Site bonding is limited to application within the temperature range 5°C to 35°C and only in dry weather (check with adhesive manufacturer).

Mechanical secret fix

In facade applications where a smooth unbroken surface is required, a concealed mechanical fixing system can be used. Hangers are fixed to the rear face of 12mm thick EQUITONE [materia], EQUITONE [natura] and EQUITONE [pictura] panels. An 8mm fixing is available for EQUITONE [linea] and EQUITONE [tectiva]. The hangers hook onto horizontal rails, which, in turn, are fixed to vertical rails.

Approved undercut anchor plugs are available for fixing into pre-drilled holes in the backs of panels. These ensure a positive fixing for bolts into the panels.

Arch: TP Bennett

Face fix systems

Timber battens

An economical method of application for EQUITONE facade panels is that of mounting on a timber framework using rainscreen construction principles.

Unless specific fire performance requirements or irregularities to the substrate are encountered (where other adjustable systems are employed), timber battens will provide an economical and speedy installation.

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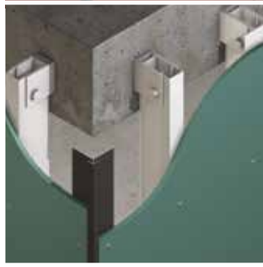

Omega and Zed

As an alternative to timber battens, particularly where there is a specific requirement for non-combustible frameworks, a lightweight aluminium framework can be used. These can be fixed either directly to a concrete, brick or block wall, or to a purpose-designed rail system. EQUITONE facade materials can then be rivet-fixed to the Omega and Zed.

Helping Hand

An aluminium frame fixing system able to provide adjustable void depths to accommodate insulation, and able to overcome irregularities in the supporting substrate.

Floor Spanning System

A highly adjustable system allowing for irregularities in substrate surface, and is ideal where poor quality infill material on existing buildings dictates that fixings can only be secured at floor slab positions.

Arch: Astrid Bornheim

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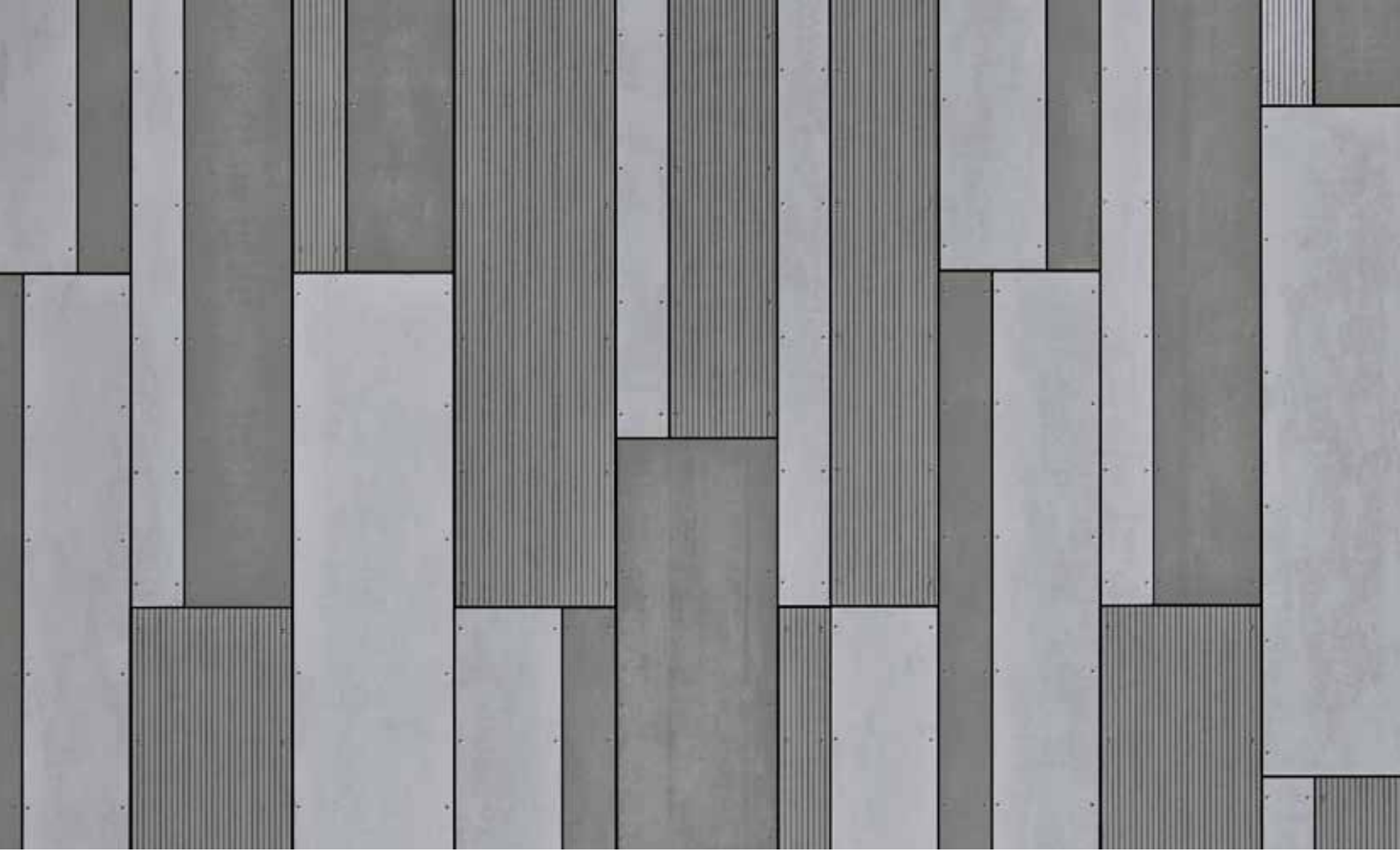
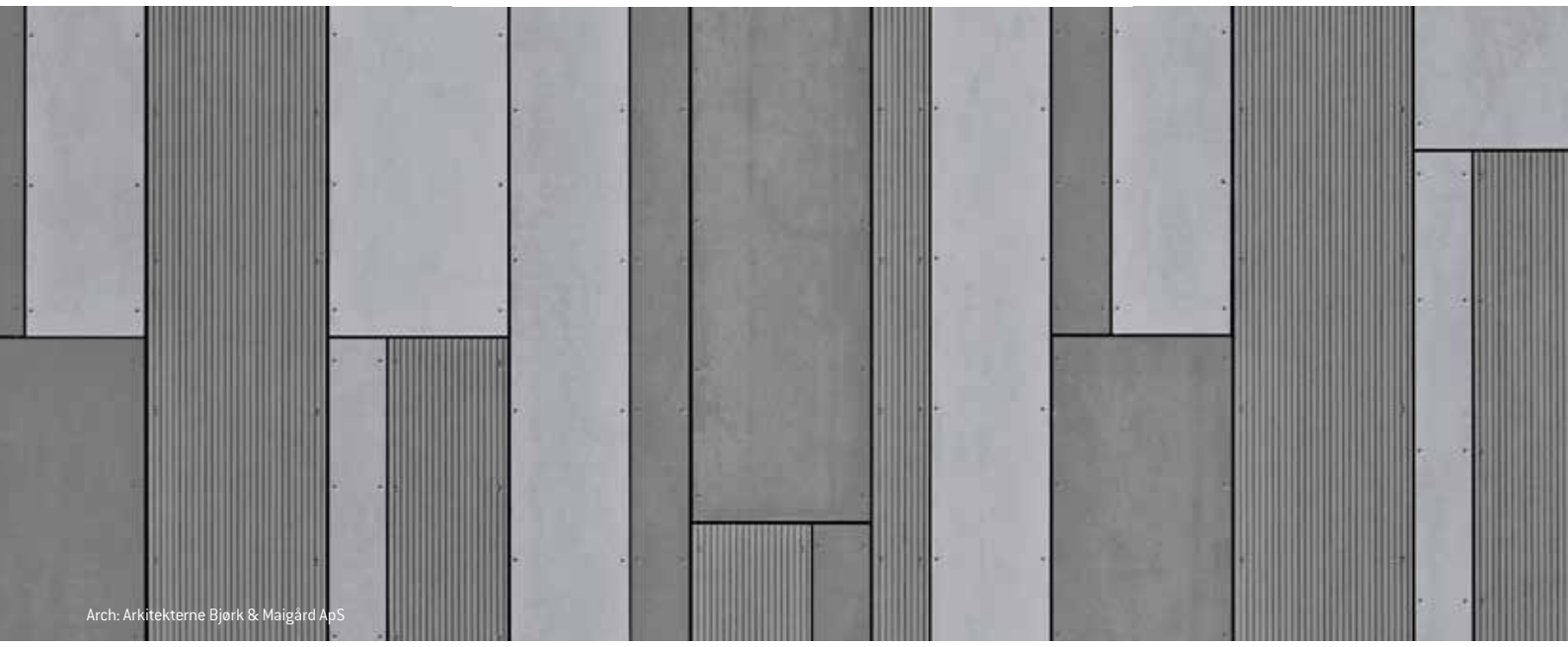
Arch.: Metaform, Atelier d'architecture Sarl



EQUITONE

Fibre cement facade materials



Arch: Arkitekterne Bjørk & Maigård ApS

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