

 **EQUITONE**
Fibre cement facade materials

SOLUTIONS FOR YOUR RE-CLAD PROJECTS

Contact us:

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of living

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How is EQUITONE made?

EQUITONE fibre cement materials are made in our factories under the operating quality assurance systems registered under BS EN ISO 9001 Quality Management Systems and comply with environmental standards as required under BS EN ISO 14001 ' Environmental management systems. EQUITONE is manufactured in accordance with the prescriptions of BS EN 12467:2012.

EQUITONE materials are designed with architects, for architects. Our company has been making façade panels since 1950s. Fibre cement is a cement composite material that consists of cement, cellulose or plastic fibres and mineral materials, reinforced by a visible matrix. Nothing else.

HATSCHEK PRODUCTION

This process makes each EQUITONE facade panel unique with an individual fibre cement texture. Most EQUITONE facade materials are through-coloured with a raw, unfinished character.

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.



View
Linea
material
information
sheet



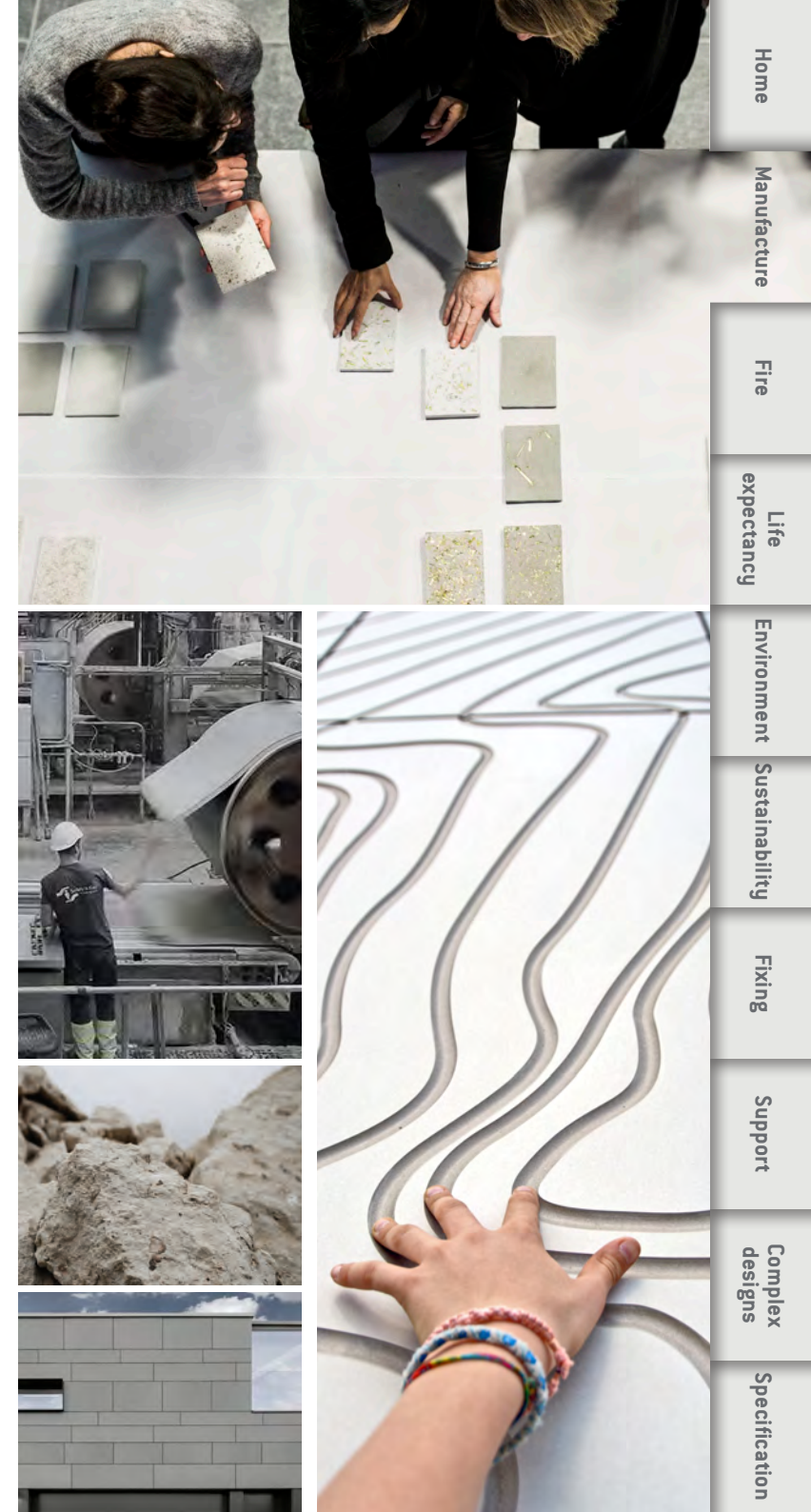
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Why isn't EQUITONE A1?

EQUITONE fibre-cement materials have been created using fibres to increase the strength and flexibility of our boards. One of the many reasons our materials are specified is because of the visible fibres and the unique aesthetic quality they provide.

Our use of fibres means that in Fire Tests EQUITONE materials (being the lowest tested category for smoke) rapidly self-extinguish, giving us the A2 s1-d0 Euroclass rating. Our boards do not contribute to a fire.

With the use of a fire retardant, coating or changes to the material body, EQUITONE could achieve A1 classification, however, we choose not to do this because:

- Fire retardants slow the ignition of materials for as long as the retardant lasts, we are confident in our calorific value and A2, s1-d0 status that a fire retardant would not add any significant protection to our boards, the buildings and residents within them.
- Fire retardants need to be recoated regularly, causing unnecessary maintenance and costs for the building owner.
- Coatings or changes to the material body would compromise the aesthetic and authentic quality of our through-coloured materials.

Only A1 and A2,s1-d0 rated materials are permitted for buildings 11m and above in Scotland or 18m and above in England and Wales.

Classes to EN 13501-1

A1		
A2	s1	d0
A2	s1	d1
	s2	d0
	s3	d1
B	s1	d0
	s2	d1
	s3	
C	s1	d0
	s2	d1
	s3	
D	s1	d0
	s2	d1
	s3	

All classes other than E-d2 and F



View
Linea fire
substantiation
sheet



View
Tectiva fire
substantiation
sheet



View
Natura fire
substantiation
sheet



View
Pictura fire
substantiation
sheet



EQUITONE life expectancy

EQUITONE is manufactured in plants operating quality assurance systems registered under BS EN ISO 9001 Quality Management Systems and comply with environmental standards as required under BS EN ISO 14001 Environmental management systems.

EQUITONE is manufactured in accordance with the prescriptions of BS EN 12467:2012.

Our high-performance material has a life expectancy in excess of 50 years as demonstrated by facades currently using this material.

All EQUITONE materials have third party accreditation from the BBA and certificates can be found on the BBA website (www.bbacerts.co.uk)



View Linea BBA certificate



View Tectiva BBA certificate



View Natura BBA certificate



View Pictura BBA certificate

How EQUITONE supports your environmental targets

- One benefit of a fibre cement ventilated facade is that the layers can be separated when the facade comes to the end of its life. This means that the components such as the fibre cement, aluminium, timber, or insulation can all be divided and sent for recycling separately. This is not possible with other materials or systems like the ETICS render contact systems.
- An EQUITONE façade can reduce the energy required to keep a building temperate for its residents throughout the seasons.
- Support BREEAM and LEED
- EQUITONE EPD's can assist the designers and assessors in completing the Green Building Assessments.
- When fibre cement materials are used for facades they can reduce thermal bridging.
- Most of the sun's rays are reflected away from the building.
- Heat that passes through the panel is partially dissipated by the ventilating effect in the cavity.
- An additional benefit in controlling temperature is that the structural movement of the building is minimised.
- Sound insulating
- Reduced thermal bridging
- Resistant to extreme temperatures and frost
- Water resistant (if in compliance with application guideline)
- Resistant to many living organisms (fungi, bacteria, insects, vermin, etc.)
- Resistant to many chemicals
- Environmentally friendly, no harmful gas emissions
- Strong, rigid panels
- Minimal cleaning required, and without harsh chemicals

BREEAM[®]
delivered by **bre**



View
Linea
EPD



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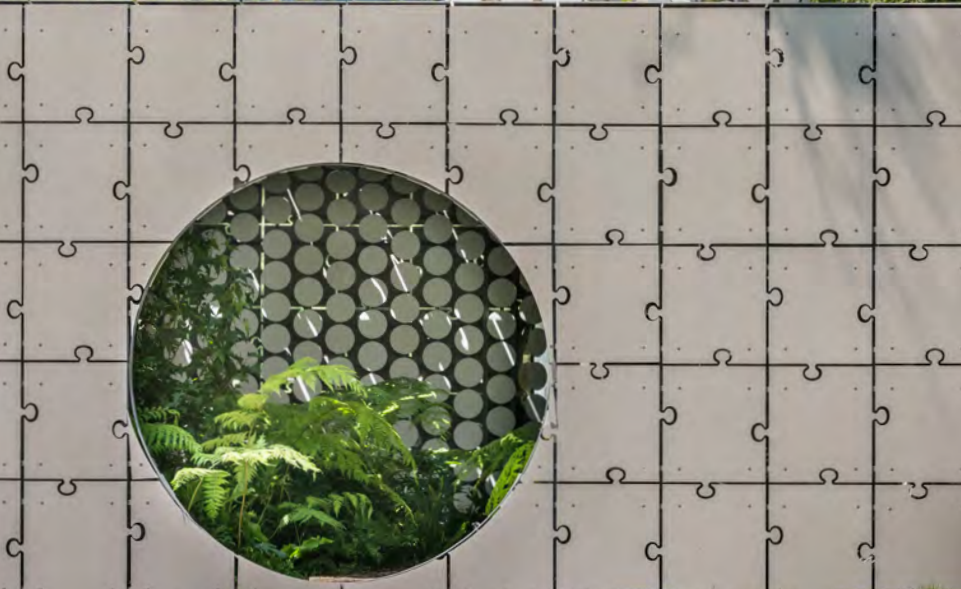
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EQUITONE's commitment to sustainability

As a global manufacturer, and innovator with fibre cement materials, we are always looking at ways to reduce carbon emissions, use of fossil fuels and use of resources.

- Our plant in Belgium is sited next to a canal to transport raw materials and reduce our CO₂ footprint.
- Our lorries leave our distribution hubs with full loads, or we deliver straight to **the fabricator** when possible.
- We have switched from heavy fuel to natural gas, sourcing lime and sand locally
- Cellulose is FSC certified and from fully renewable sources.
- A new co-generation power unit which recovers the primary energy and reuses it and aiming to have all hard factory waste recyclable.
- Both manufacturing plants (Belgium and Germany) operate in accordance with ISO 14001 Environmental Management System.
- All EQUITONE panels are certified with an Environmental Product Declaration according to ISO 14025 or EN 15804.
- A new revolutionary process has permitted the majority of EQUITONE fibre cement products that are not fit for distribution to be recycled back into the production as a raw material component. This lowers the CO₂ emissions and reduces energy consumption.



How is EQUITONE fixed?

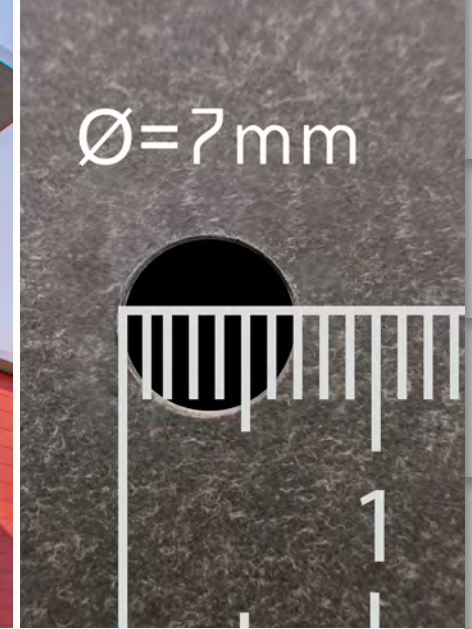
Depending upon your design, both rivet and mechanical fixing can be applied to substructures made of wood, aluminium, hot-dip galvanised steel or stainless steel. This substructure is the static link between the anchoring base (outer wall) and the panels. The material is chosen according to the location, environment, and the design requirements.



Visible fixing



Concealed fixing



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Easy to do business with

EQUITONE supports you and your build from ideation through to construction/retrofit to completion.

Your designated Specification Manager will be on-hand, every step of the process. They can help you with specification writing, running CPDs for your team to understand rainscreen façade principles and talk through fixing options.

Our knowledgeable Technical team are available to assist you. They can come to you on site, and offer free training for installers.

Behind the scenes, we have Customer Service and Logistics making sure your order arrives when and where you need it.



Complex design? We like to rise to a challenge!

EQUITONE boards have been used internally, perforated, etched, cut. If you have an idea – we will do our best to make it happen

EQUITONE is a global product produced in our factories in Belgium and Germany.

As a global product, EQUITONE is tested to the highest standards.

Each of our EQUITONE products have:

- Euroclass ratings for Fire testing
- EPDs
- BBAs
- Fire Substantiation Statements
- Assessed by BRE and achieves an A+ rating in the Green Guide.







Specification questions

Architects describe EQUITONE materials as honest, and we take that approach in all that we do.





When specifying a façade material here are some questions you might consider asking us and our competitors:

- Is the brand using the most recent European fire classification standards to promote their range?
- Are your raw materials ethically sourced?
- Where is your material produced?
- Can I visit your factory, see your manufacturing processes, standards, and quality?
- Do you have to add a fire retardant to your boards or coat it to achieve your fire rating?
- Industry leading technical support?
- Can you train my installers for free?
- Ability to match to RAL and Pantone?
- Does the product have a BBA?
- Can I get EPD's to support Green Building accreditations?





Material information sheets

 Linea  Tectiva  Natura  Pictura





Fire substantiation sheets

 Linea  Tectiva  Natura  Pictura

BBA Certificates

 Linea  Tectiva  Natura  Pictura

EPDs

 Linea  Tectiva  Natura  Pictura



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