

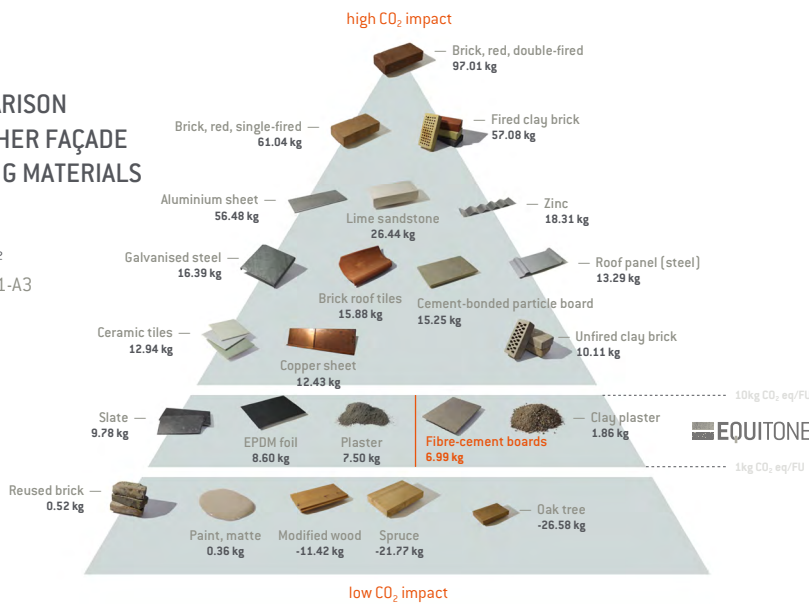
MATERIAL SUSTAINABILITY DATASHEET EQUITONE [tectiva]®

This document provides an overview of the most important environmental performance data of EQUITONE [tectiva]. It is assessed and updated periodically to ensure accuracy and transparency.

CARBON FOOTPRINT COMPARISON

A COMPARISON WITH OTHER FAÇADE CLADDING MATERIALS

kg CO₂/m²
module A1-A3



The Construction Material Pyramid was developed by the Centre for Industrialised Architecture (CINARK) at the Royal Danish Academy in 2019. It is a way of visualising the carbon emissions associated with the production of different materials. The pyramid focuses on the product stage (life cycle phases A1 - A3). It gives an impression of the global warming potential of fibre-cement boards in general compared to other cladding materials.

Life cycle stages covered: Cradle to Gate (A1-A3)
Declared impact category: Global Warming Potential in kg CO₂
Functional unit: 1m² of facade cladding

Source: Byggeriets Materialpyramide materialepyramiden.dk

Copyright to: CINARK — Centre for Industrialised Architecture, The Royal Danish Academy

NOTE: Lifetime value and recycling potential are also key parameters in environmental impact assessment.

ENVIRONMENTAL PERFORMANCE

The environmental performance assessment of our materials is based on international standards (ISO 14025) and verified by external experts. For more detailed information, see the full Environmental Product Declaration.

[Get all the facts in the EPD](#)

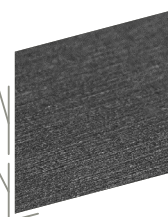
DURABILITY EQUITONE [tectiva]®



Proven lifetime
50 years or more



Designed for
disassembly with
reversible fixation
systems



With an expected lifetime of 50 years or more, EQUITONE panels often outlast the building lifetime. They are designed for disassembly with reversible fixation systems, allowing reuse in façade cladding or other applications.

ENVIRONMENTAL IMPACT FROM CRADLE TO GRAVE / M² SURFACE EQUITONE [tectiva][®]

Cradle-to-grave assesses the environmental impact from production, transport and installation to end-of-life and beyond (modules A1-C4 in the EPD). Our materials are assessed as a complete system, subframe included. Subframe choices often depend on local regulations or preferred fixation techniques.

GWP* Impact /m² EQUITONE [tectiva][®]
— 8 mm



* Global warming potential in kg CO₂/m²

GWP* Impact /m² EQUITONE [tectiva][®]
— 8 mm + wooden subframe

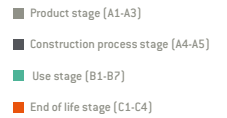


** As mentioned in the D section of the EPD, an aluminium subframe has a significant benefit beyond the system (-30.7 kg) because aluminium is fully recyclable.

GWP* Impact /m² EQUITONE [tectiva][®]
— 8 mm + aluminium subframe**

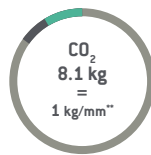


*** Approximate value



ENVIRONMENTAL IMPACT FROM CRADLE TO GATE / M² SURFACE EQUITONE [tectiva][®]

Cradle-to-gate assesses the impact from raw material extraction to production, until the product leaves the factory (modules A1-A3 in the EPD).



* Global warming potential in kg CO₂/m²

** Approximate value

GWP* Impact /m² EQUITONE [tectiva][®]
— 8 mm



MATERIAL COMPOSITION EQUITONE [tectiva][®]

Key components



* Data reported in the LCA project report used as a basis for the EPD.

REACH-compliance



A REACH-compliant cladding solution, EQUITONE [tectiva][®] doesn't contain any substances of very high concern (SVHC).

Sustainable logistics



85% of the raw materials used in EQUITONE [tectiva][®] are transported over water, reducing fossil fuel consumption, noise and air pollution and carbon emissions.*

Local sourcing



>65% of raw materials used in EQUITONE [tectiva][®] are sourced within a 150-km radius of the factory.*

CIRCULAR POTENTIAL

EQUITONE panels are designed and manufactured to maximise the circular potential. Visit the environment section on our website to find out more about our commitment and progress to date.

[Get the full story](#)

MATERIAL PROPERTIES

Fibre-cement cladding supports the principles of circular construction:



Modular



Easy to dismantle



Durable (+50 years)



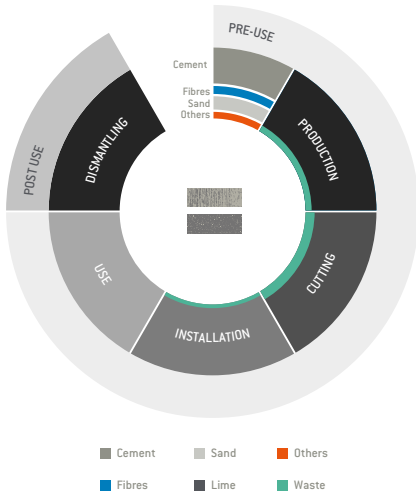
Lightweight

All EQUITONE materials are designed as a system, allowing easy assembly and disassembly for recycling. The panels are secured to the supporting frame with either concealed or visible mechanical fixings. For concealed systems, adhesives are sometimes used in the market. We don't recommend such fixing systems as they jeopardise the possibility to reuse or recycle our materials.

[Check out our fixings](#)

EQUITONE [tectiva][®] currently contains 7% recycled materials. Working closely with academics and industry experts, we are challenging ourselves to increase the recycled content across the EQUITONE range without compromising on quality. EQUITONE [tectiva][®] waste is already reused in other products within the ETEX group.

WASTE FLOWS



Waste flows across the value chain

All EQUITONE waste generated in the production phase is recycled in material loops, such as transportation to the cement kiln, where it is reactivated. Also, careful planning can reduce cutting waste. For advice on optimal material usage, reach out to your local Specification Manager or [contact us](#) directly. Very little waste is generated during the installation phase as most panels are pre-cut to size in the cutting shop.

Circularity in practice

Modular construction



EQUITONE is suitable for modular construction, thus extending the useful life of a building.

[View projects](#)

Minimal waste



Through careful planning, architects have been able to reduce cutting waste to zero or near-zero.

[View projects](#)

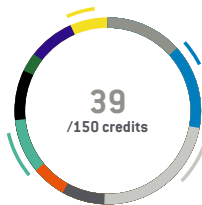
Reuse or building refurbishment



Although still at an experimental stage, some projects already involve reusing or upcycling EQUITONE façade panels.

[View projects](#)

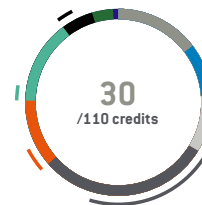
BREEAM & LEED CREDIT POTENTIAL



BREEAM system goal & credit potential

EQUITONE can contribute to obtain BREEAM credits.

[More info](#)



LEED system goal & credit potential

EQUITONE can contribute to obtain LEED v4 points.

[More info](#)

ECOLOGICAL & SOCIAL MANUFACTURING



EQUITONE [tectiva][®] is produced in a factories that meet international [ISO 14001](#) and [ISO 45001](#) quality standards. We continuously work to reduce our climate footprint and provide a safe workplace with little to no risk of illness or injury to workers, customers or the local community.

UN SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Pushing the boundaries of fibre cement technology, EQUITONE is committed to the SDGs, and establishes partnerships to address them. The main goals we focus on are:



Zero accident, zero harm, zero burnout



Diversity & inclusion



Carbon neutrality



Waste management & circularity



Carbon neutrality

[Discover CSR initiatives in our group annual report](#)

MORE INFORMATION

Visit our website for more information on our [environmental commitment](#) and [materials](#).



EQUITONE SUSTAINABILITY MANIFESTO

[Read](#)



ETEX GROUP SUSTAINABILITY REPORT

[Read](#)