



Sustainability release

Cemfort HD – Panels & Systems for exterior facades

Sustainability at Cemfort

As a leading North American fiber concrete manufacturer and family-owned company, the environment is at the heart of our priorities. To provide the brightest and safest future to our next generations, Cemfort is dedicated to finding new ways to improve our product sourcing, shipping and manufacturing process in accordance with the highest environmental standards. This document thoroughly explains the steps Cemfort has taken to continuously improve our environmental footprint while keeping the highest quality standards for our products.

Carbon footprint comparison

This table offers a comprehensive comparison of fibre cement boards with other cladding materials currently found on the market.

MATERIALS (in descending order)	KgCO2 / m2
Double-fired Red Brick	97,01 kg
Aluminium Sheet	56,48 kg
Sandstone	26,44 kg
Zinc	18,31 kg
Galvanised Steel	16,39 kg
Ceramic tiles	12,94 kg
Fiber-cement boards	6,99 kg
Reused Brick	0,52 kg



Durability

Cemfort fiber concrete panels have an expected lifetime of 50 years. Often, Cemfort panels outlast the building design lifetime. Cemfort panels are part of a complete system, meaning they can easily be disassembled in a non-destructive way and either be reused or partially recycled. Cemfort panels are lightweight and can easily be transported or handled without much environmental impact.

Material composition

Cemfort panels are made of earthly materials such as lime, sand, aggregates and water. They are reinforced with fibers to maximize their durability and make them a perpetual solution for building envelopes. Cemfort's raw materials are sourced in North America and our panels are transformed in Canada, greatly limiting the need of transportation and reducing fossil fuel consumption. The majority of the materials used in Cemfort panels are sourced within a 150km radius of the factory.

Cemfort's circularity approach

Cemfort makes it a priority to identify industries located near our facilities in order to map the waste materials that can be feasibly reused in our operations. Within our facilities, we carry out materials cutting and the resulting waste is incorporated back into the process for reuse. This allows us to be more efficient by reducing the number of raw materials required for product manufacturing and avoiding their classification as waste. Furthermore, we are currently working with other businesses units within our partners to generate synergies that drive the circular economy.

Sustainable Development Goals (SDG's)

Cemfort recognizes the impact of our activities on the environment and the urgent need to join global efforts to contribute to environmental protection, in keeping with the UN Sustainable Development Goals for 2030. Therefore, we assume the responsibility of implementing measures that mitigate and ensure sustainable operations, as well as monitoring priority environmental aspects. Cemfort's measures that we focus on are:

- ✓ We provide a safe working environment and contribute to safe and healthy housing for our employees and beyond.
- ✓ We encourage leadership regardless of gender and ensure gender equality across all levels of the company. We are proud to report that Cemfort's current sales and administration departments are at a 50/50 ratio.
- ✓ Our materials are lightweight, built for high durability and low in wasted materials, ensuring responsible manufacturing and consumption.
- ✓ We are committed to achieve zero waste and activity fight climate change and its impacts.



Contribution to LEED certification

Our façade panels are part of a rainscreen ventilated assembly. The ventilation gap at the bottom of the wall assembly ensure that the ventilation is possible throughout the entire wall facade, minimizing temperature fluctuations in the outer wall. Sunlight, heat and humidity is ventilated away from the wall and the natural ventilation behind the façade minimises the risk of condensation. These properties contribute to lowering energy consumption and environmental impacts while reducing costs for energy. Our façade panels are highly durable and are unaffected by most external conditions, made to withstand extreme weather conditions and last for years. Cemfort's credit potential and contribution to obtaining LEED certification are as follows:

- ✓ Cemfort panels have an expected lifetime of 50 years, contributing to a low total life cycle cost (LCC).
- ✓ Cemfort panels are low-maintenance and lightweight, enabling an energy efficient design.
- ✓ Up to 25% of Cemfort materials are made from post-consumer recycled content, including fly ash that are incorporated into the cement mix.
- ✓ Pre-consumer recycled content: Cemfort panels are partially made of recycled raw concrete that is reused and not categorized as waste.
- ✓ No TVOC: Cemfort panels are made from earthly materials and Portland cement. Once fabricated and installed, they do not spread any TVOC into the air and do not create any.
- ✓ Locally supplied within 150km: Cemfort's transformation process and sourcing occur within a 150km radius, eliminating any long-distance deliveries and reducing carbon footprint.

Our target

Sustainable and highly durable products that will last the lifetime of the building and beyond, while contributing to the well-being of our environment and community.

For more information on our sustainability efforts and targets, please visit our website and contact details (www.cemforthd.com).

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