



CONCRETE LCDA®

LEED credits contribution - V4

Concrete LCDA stands by its customers willing to achieve LEED certified projects, offering with its products, adequate, performing and eco-friendly solutions.

To optimize and constantly improve the eco-friendly aspects of each of its products, and durable management approach of its production process, Concrete LCDA is undertaking necessary steps towards SME (Système de management environnemental / Eco-Friendly Management System), which includes ISO 14001.

For additional details: [Concrete LCDA social & environmental commitment \(CRS\)](#)

The LEED rating system is designed to classify entire building projects. No product or building material may be accurately classified as « LEED certified » but they can contribute towards credit obtention.

As high-performance surfacing materials, Concrete LCDA products should be considered for their « green » characteristics in cooperation with all materials used in a given building project.

Please find hereafter the areas of contribution of Concrete LCDA products towards LEED credits for our different product collections:

- Panbeton decorative concrete panel, consisting of light weight fiber-reinforced concrete face and construction panel backer.
- Slimbeton decorative concrete tile, consisting of light weight fiber-reinforced concrete.

CONCRETE LCDA®

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Matériaux & ressources

MATERIALS & RESSOURCES

Construction and
Demolition Waste
Management Planning

Concrete LCDA products qualify as non-structural material

• Construction wastes

Panbeton & Slimbeton are ready-to-install panels and tiles. Installation on site is easy and does not require heavy machinery (truck mixer or cement mixer etc...), electricity or water.

[> Installation guideline.](#)

Panbeton & Slimbeton can be cut to size at the factory to avoid additional cuts, or kerfing on the jobsite, therefore, they do not generate cuts, trimmings or dust.

The only wastes to manage are generated by our packaging consisting 90% wood and cardboard products, non-polluting and readily recyclable.

The waste management is therefore easy and can be adapted to the process put in place for a specific jobsite.

• End-of-Life recycling or diversion

Concrete used for our panels can be recycled through Industrial recycling. Concrete can be crushed into gravel or grit for road construction for instance.

Recyclable content : 100% for Slimbeton

MATERIALS & RESSOURCES

Building Product
Disclosure and
Optimization -
Sourcing of Raw
Materials

• Extended producer responsibility

Concrete LCDA commitment to sustainability

Use Concrete LCDA self-declared sustainability report on our corporate website : [Concrete LCDA social & environmental commitment \(CRS\)](#)

• Materials reuse

Due to their extensive life expectancy, Concrete LCDA products have the potential to be salvaged or reused during renovation of the building.

• Recycled content

Panbeton decorative concrete: (composition by weight):

- Concrete = 62%
- Construction panel (Wedi) = 24% (preconsumer content 25%)
- Water = 13%
- Others (fibers, pigments...) = < 1%
- Total recycled content = 6%, pre-consumer

Slimbeton decorative tile: (composition by weight):

- Concrete = 81%
- Water = 17%
- Others (fibers, pigments...) = < 2%
- Total recycled content = none

• Regional Materials

Concrete LCDA products can contribute to credit achievement calculation, at twice their base contributing cost, if the project site is within 100 miles (160 km) from where the products are sourced (extracted, manufactured, purchased).

Products are manufactured in Avrillé, France.

Indoor environmental quality (IEQ)

INDOOR ENVIRONMENTAL QUALITY Low-Emitting Materials

- Adhesives and Sealants (all interior adhesives and sealants wet-applied on site)

Panbeton & Slimbeton panels are finished products and do not require an application of on-site sealant.

The sealant protecting the surface of the panels, applied at the factory, is water based, silicone and solvent free and 80 to 100% biodegradable. It complies with the VOC limits and total VOCs thresholds set by the California Department of Public Health (CDPH) Standard Method v1.2–2017 table 4.1. and VOC evaluation contents SCAQMD requirements.

> Protect guard letter : document on request

All Concrete LCDA products can be installed on site using the glue provided by Concrete LCDA which meet the VOC emissions limits and total VOCs thresholds set by the CDPH Standard Method v1.2–2017 table 4.1

Our HYBRIFIX 550 glue has obtained A+ qualification for air quality requirements, in compliance with the NF EN ISO 16000-9 standard.

A+ certifications comply with the VOC limits and total VOCs thresholds set by the California Department of Public Health (CDPH) Standard Method v1.2–2017 table 4.1.

> Technical Data Sheet Hybrifix: document on request

- Wall panels (all finish wall treatments) and Ceilings (all ceiling panels, ceiling tile)

Panbeton & Slimbeton are composed of concrete, an inert mineral material, and inherently non-emitting source of VOC and do not alter indoor air quality as well as the finished sealant used to protect the surface of the panels.

Panbeton & Slimbeton follow French regulation on VOC emissions DEVP0908633A du 30 avril 2009 et DEVP0910046A du 28 mai 2009.

Our products have obtained A+ qualification for air quality requirements, in compliance with the NF EN ISO 16000-9 standard Certificate available on request, more detail on:

> COV emissions certificate: document on request

(Certificate for Panbeton and extended to Slimbeton)

A+ certifications comply with the VOC limits and total VOCs thresholds set by the California Department of Public Health (CDPH) Standard Method v1.2–2017 table 4.1.

The third-party certifying laboratories are accredited under ISO/IEC Guide 17025 and tests report are less than 3 years old.

- Ceilings (all ceiling panels, ceiling tile)

Please refer to information above.

Regional priority

REGIONAL PRIORITY Regional Priority

A database of Regional Priority credits and their geographic applicability is available on the USGBC website, www.usgbc.org/rpc.

Concrete LCDA uses local resources as much as possible in its manufacturing and shipping process (local suppliers and transporters, optimizing transportation with other local manufacturers...etc).

All our products are made in Avrillé, France.

Panbeton & Slimbeton:

- fibers are sourced in Tolna, Hungary.
- concrete is sourced in Europe
- construction backer panel is manufactured in Emsdetten, Germany
- Sealers are manufactured in Castanet Tolosan, France