

# Greener Construction

for your project success is at the heart of ECOPact.



Whether quantifying an improvement from industry norms or previous projects, meeting green building standards, or pushing boundaries to achieve net-zero construction, our experts will work with you on an ECOPact solution that provides the required strength, durability, and finish for all the concrete applications on your project.

**LAFARGE**  
Building better cities™



DESIGN



PERFORMANCE



SUSTAINABILITY

All the benefits of concrete, with lower carbon content:



Like all concrete, ECOPact is heat and fire resistant, and longlasting, Your building will stand the test of time - more than 100 years.



ECOPact concretes provide reliable strength for all your applications and requirements.

+

With superior placing, setting, and finishing properties, ECOPact performs throughout your final structure.

With the largest and most advanced research and development team in the industry, our innovative and sustainable products are backed by a global track record of expertise, quality assurance, and performance.

## Measuring Carbon Reduction

Environmental product declarations (EPDs) for select ECOPact products are in development and will also be available later in 2021.



## ECOPact<sup>+</sup>-Range

\*In comparison to a standard reference concrete with 100% OPC.

# What makes **ECOPact** “green”?

**Concrete becomes greener when we reduce embodied carbon content.  
We reduce embodied carbon content in our ECOPact products by:**

## **OPTIMIZING OUR CEMENT:**

- Improving plant production process and energy efficiency
- Using alternative fuels to operate cement facilities
- Using lower carbon cements such as General Use Limestone
- Implementing and maximizing carbon capture utilization and storage at cement facilities

## **OPTIMIZING OUR CONCRETE:**

- Using supplementary cementitious materials (SCMs) and other low-carbon binders to optimize cement use in concrete
- Using recycled materials, including recycled concrete, to optimize aggregate use in concrete
- Using admixtures to enhance performance
- Incorporating new technologies, like carbon capture and reuse and utilization through mineralization to ensure concrete performance is maintained

## **OPTIMIZING OUR OPPORTUNITY:**

- Understanding the project’s drivers, requirements and risks to provide the best suited solution
- Collaborating with stakeholders to identify the best solution upfront, and value propositions for downstream users
- Supporting the technical specification process to optimize sustainability, while maintaining performance
- Demonstrating carbon reduction value across the supply chain and its integration with performance and quality requirements

## **OFFSETTING OUR IMPACT (COMING SOON)**

Carbon offsetting programs allow us to address climate change by supporting wider environmental initiatives. We are working towards the implementation of a carbon offsetting program to provide Net Zero carbon concrete across Canada later in 2021.

## **Our Sustainability Leadership**

Lafarge Canada, as a part of the LafargeHolcim Group, is a global leader in sustainability and was the first global building materials company to sign the Business Ambition for 1.5°C pledge aligned with a net zero pathway. We further demonstrated our commitment and accountability by pricing a EUR 850 million sustainability-linked bond.

# Why use **ECOPact?**

1

**ACHIEVE**

**Achieve performance goals while maximizing carbon reduction.**

2

**ENSURE**

**Ensure retained or enhanced physical product performance with the support of top industry experts.**

3

**LEAD**

**Lead in sustainability with verified CO<sub>2</sub> reductions on Canada's broadest range of ready mix concrete.**

**Contact your ECOPact representative to get started**

Contact: [ECOPact-WCAN@lafargeholcim.com](mailto:ECOPact-WCAN@lafargeholcim.com)

Webpage: <https://www.lafarge.ca/en/ecopact-green-concrete>

Carbon Calculator: <https://www.lafarge.ca/en/carbon-calculator>

