



You see a concrete structure.
We see a concrete opportunity
to fight climate change.



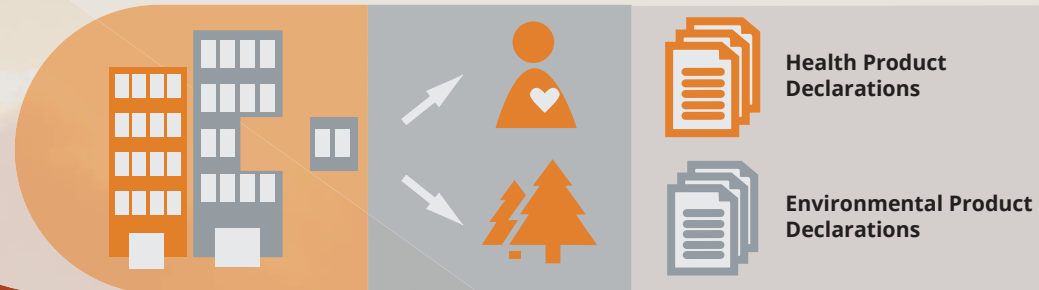
CarbonCure Concrete Technology
Recycling CO₂ to make simply better concrete

Designers & Builders

WHY GO GREEN? WHO'S LEADING THE GREEN MOVEMENT

LEED VERSION 4.1

Owners, architects and builders are encouraged to focus on their building material choices and their impact on human health and environment.

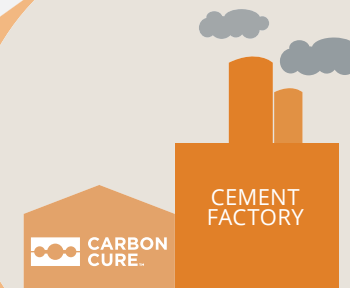


DID YOU KNOW?

7%

OF ALL CO₂ EMISSIONS COME FROM CEMENT PRODUCTION

WHO IS CARBONCURE? A GREEN SOLUTION

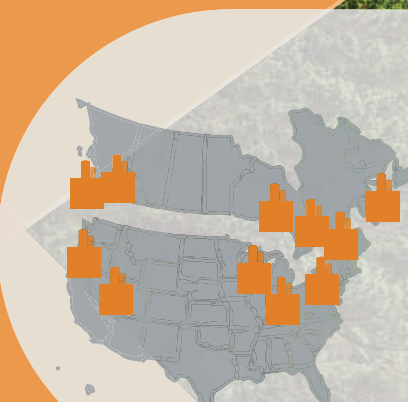
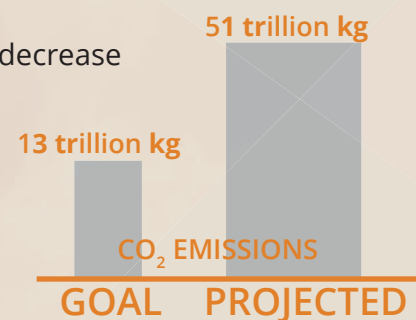


CarbonCure's technology recycles CO₂ to reduce the carbon footprint of the concrete industry by creating affordable, greener concrete products.

CarbonCure retrofits existing concrete plants with a technology that introduces CO₂ gas into the concrete mix during production. When introduced, the CO₂ undergoes a chemical reaction that chemically converts it into a solid mineral and makes the concrete stronger.

INTERNATIONAL ENERGY AGENCY BLUE MAP SCENARIO

29 countries working collectively to reduce greenhouse gas emissions with the goal to decrease CO₂ emissions significantly by 2050.

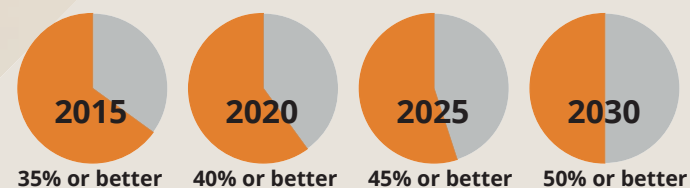


CarbonCure's technology is installed in concrete masonry and ready mixed concrete plants across the United States, Canada and in Southeast Asia.

The process may be applied to introduce carbon dioxide into any concrete product manufactured by a plant in which the technology is installed.

ARCHITECTURE 2030

An initiative asking the global architecture and building community to adopt carbon reduction targets for buildings and products.



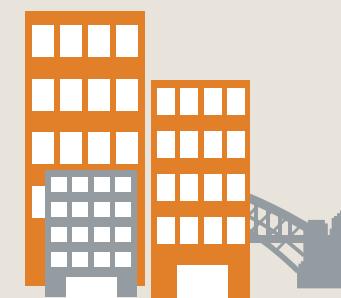
The 2030 Challenge for Products

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Embodied Carbon Footprint
Embodied Carbon Reduction



A typical building project made with CarbonCure concrete products may reduce as much CO₂ as a 4,046 m² of forest will sequester over the course of a year!



Design teams specifying CarbonCure concrete products reduce the embodied carbon footprint of their project without adding significant costs, while contributing towards LEED points and highlighting their commitment to sustainability.

THE TECHNOLOGY



CarbonCure's technology is retrofitted to an existing concrete plant.



Carbon dioxide (CO₂) gas is sourced from the smokestacks of industrial emitters.



The purified CO₂ gas is delivered in pressurized vessels to the concrete production facility by commercial gas suppliers.



CarbonCure's proprietary delivery system precisely injects the CO₂ into the concrete mix.



The CO₂ is chemically converted into solid calcium carbonate, which is permanently embedded within the concrete.



When the concrete structure is demolished and pulverized, the gas won't escape - because it no longer exists.



CarbonCure concrete masonry and ready mix products have the same colour, finish, and workability.

CarbonCure may provide Environmental Product Declarations (EPDs) and Health Product Declarations (HPDs). One project may use up to 4 of each document for CarbonCure products made by the same manufacturer.



CARBONCURE'S CONTRIBUTION TO LEED

Concrete's contribution to green building certification has changed with the release of LEED version 4. The reduction of concrete's carbon footprint through the use of CarbonCure's technology allows architectural teams to contribute towards materials and resources credits under LEED version 4.



CarbonCure may provide environmental data to determine the amount of CO₂ reduced in a project, relative to traditional concrete products.

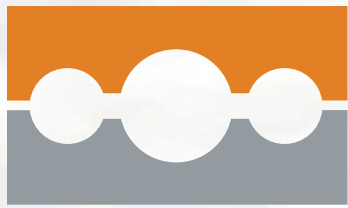


CarbonCure may also contribute toward LEED 2009 credits under the Innovation in Design category. EPDs and HPDs contribute to pilot credit points under LEED 2009.



	NUMBER OF POINTS	LEED VERSION 4 CREDITS	
MATERIALS & RESOURCES	3 POINTS	MRc1 MRc2	MRc4
	NUMBER OF POINTS	LEED VERSION 2009 CREDITS	
INNOVATION & DESIGN	4 POINTS	IDc1 MRpc52	MRpc76 MRpc63

Innovative CO₂ Technology



CARBON
CURE™



“Designing beyond sustainability towards abundance is a driving force among the design community. CarbonCure contributes to the crucial challenge of developing ecologically improved concrete by using carbon as an asset to enhance its structural properties.”

William McDonough
Founder, William McDonough + Partners
Co-creator, Cradle to Cradle® Design Framework

www.carboncure.com