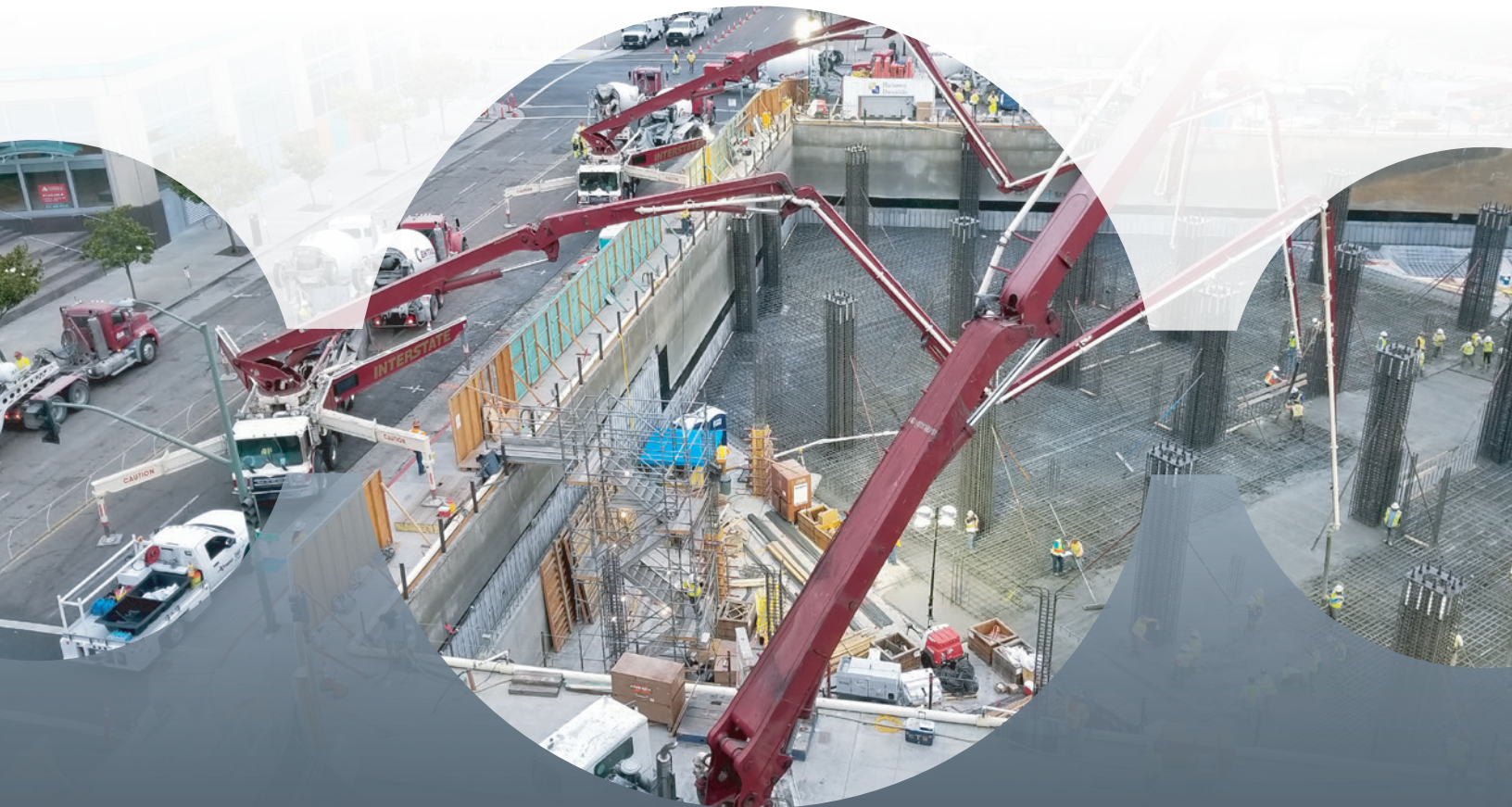


**CARBON  
CURE™**

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



## **CarbonCure Concrete Technology**

Recycling CO<sub>2</sub> to make simply better concrete

Information package for Design  
and Construction Community

# CARBONCURE

## A Green Solution

### WHAT

The CarbonCure Technology recycles CO<sub>2</sub> to reduce the carbon footprint of concrete, creating affordable and more sustainable concrete mixes.

### HOW

- The CarbonCure Technology is retrofitted into existing Central Concrete plants.
- Carbon dioxide (CO<sub>2</sub>) gas is sourced from the smokestacks of local industrial emitters.
- The purified CO<sub>2</sub> gas is delivered in pressurized vessels to the concrete production facility by commercial gas suppliers.
- CarbonCure's proprietary delivery system precisely injects the CO<sub>2</sub> into the concrete mix.
- The CO<sub>2</sub> is chemically converted into solid calcium carbonate, which is permanently embedded within the concrete.

### IMPACT

- By partnering with CarbonCure, Central Concrete recycles the waste CO<sub>2</sub> as a fresh concrete ingredient. This allows the cement content of the mix to be reduced without sacrificing compressive strength, while also reducing the overall carbon footprint and global warming potential (GWP).
- Central Concrete's ready mix products have the same color, finish and workability.

### LEED

CarbonCure's technology allows architectural teams to contribute towards Material and Resources credits under LEED v4.

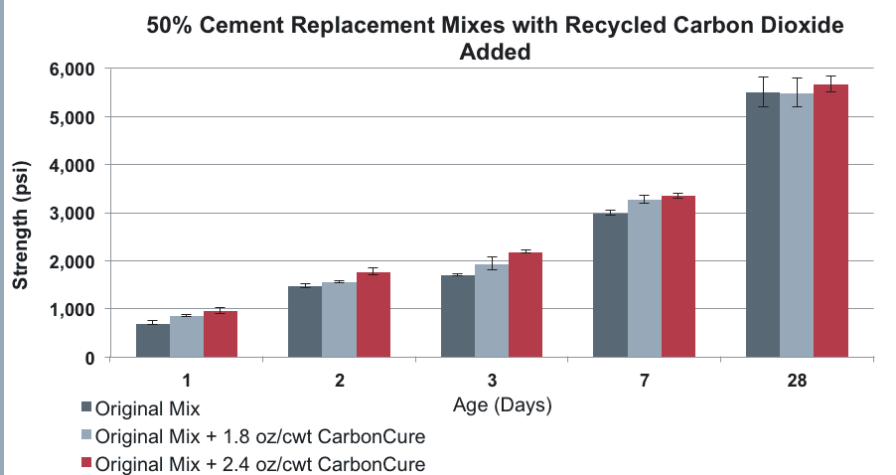
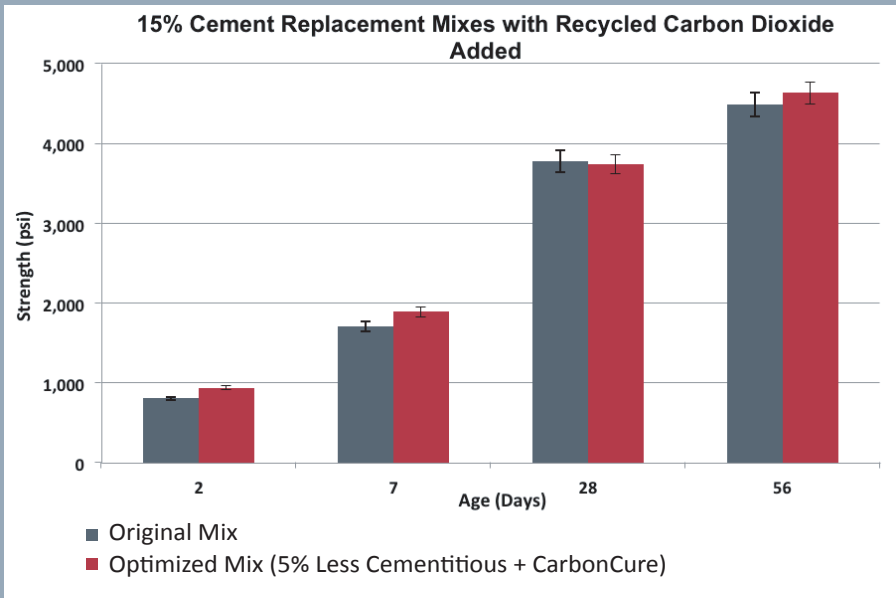
	Number of Points	LEEDv4 credits
Material & Resources	5 points	MRc1, MRc2
→ Up to 5% reduction in global warming potential (GWP) using the CarbonCure Technology as outlined in an EPD.		

# SAME RELIABLE CONCRETE ... Now with Recycled CO<sub>2</sub>

## PROVEN RESULTS

- Maintain the same concrete performance with reduced carbon footprint.
- Boost early-age strength of concrete.
- Thorough evaluation conducted by U.S. Concrete's National Research Laboratory.
- No change to pumping, placing and finishing.

Central Concrete reduced the carbon footprint of its mix designs and maintained the compressive strength requirements by adding recycled CO<sub>2</sub> and reducing the total cementitious materials.



# CUSTOMER RESOURCES

## GENERAL RESOURCES

Visit:

- [www.centralconcrete.com](http://www.centralconcrete.com)
- [www.carboncure.com](http://www.carboncure.com)

## TECHNICAL LIBRARY

Contact Central Concrete to secure additional technical data, along with the CarbonCure spec language for your ready mix specifications.

## AIA PRESENTATION

Learn more on how you can reduce the carbon footprint of concrete. You will earn 1 AIA HSW learning unit after completing “Architectural Initiatives to Reduce the Carbon Footprint of Concrete”. AIA #40107569. Course #CCT000000001.

## LUNCH & LEARN

Arrange a Lunch & Learn today.

Want to learn more? We offer a myriad of Lunch & Learns covering such topics as:

- Advances in the development of low carbon, green mixes
- Carbon sequestration
- Recycled concrete aggregate
- Returned fresh concrete
- Environmental Product Declarations
- High strength mixes: Taking on the challenges of today's tall buildings
- Engineering concrete mixes to meet your needs: High strength, Low deflection, high MOE, low shrinkage, self-consolidating concrete, long-distance pumping
- High early strength: Responding to accelerating construction schedules
- Rapid drying concrete: Preventing costly flooring failures
- Flowable mixes: Reducing in-place costs; improving advances in maturity testing; monitoring concrete temperature and strength in real-time

### Contact:

Juan Gonzalez  
Sustainability Manager  
Central Concrete  
Supply Co, Inc.

[jgonzalez@us-concrete.com](mailto:jgonzalez@us-concrete.com)  
408.771.6261