“There is an urgency to act now to reduce the embodied carbon in new construction development. It’s imperative that as designers, developers, and builders we support the rapid scaling of technologies, tools, and processes that reduce carbon emissions from the manufacturing of building materials.”

The CarbonCure Technology recycles waste carbon dioxide (CO₂) to reduce the carbon footprint of the concrete industry by creating affordable, greener concrete.

CarbonCure retrofits concrete plants with a technology that introduces CO₂ into the concrete mix during mixing. When introduced, the CO₂ becomes chemically converted into a solid mineral - meaning that the CO₂ is permanently trapped within the concrete.

The CarbonCure Technology is installed in over 100 plants across Canada and the United States.

Project Case Study: 725 Ponce, Atlanta, GA

48,000 cubic yards of reduced carbon concrete made with the CarbonCure Technology was delivered to 725 Ponce, diverting 1.5 million lbs of CO₂ from the atmosphere.

That’s equivalent to 1 acre of US forest sequestering CO₂ for 800 years.*
Have your cake and eat it too

Designers and developers can capitalize on the unique qualities of concrete they rely on: strength, versatility, durability, sound-reduction and thermal-insulation - with a reduced carbon footprint.

Carbon footprint reduction of ready mix:
Approx. 25lbs CO₂ per cubic yard (sequestered + avoided CO₂)

*CarbonCure CMU was specified at the Multi-Pad Arena in Dartmouth, NS.*

It’s as easy as flipping a switch

The use of the CarbonCure Technology has no impact on the fresh or hardened properties of ready mix concrete, including durability, finishing, workability, pump-ability, temperature, pH or appearance. Additionally, construction schedules are not impacted by the use of the CarbonCure Technology.

*CarbonCure had no impact on the fresh properties of concrete delivered to 725 Ponce in Atlanta, GA.*

Something to get excited about

CarbonCure was recently named a finalist in the NRG COSIA Carbon XPRIZE Challenge, recognizing its renowned innovative solution to climate change. Featuring the CarbonCure Technology in your next project is a great way to display your commitment to the future of green building.

*Developer Tridel showcased its building’s carbon reduction using signs throughout its concrete parking garage.*