



## Environmental benefits for CarbonCure masonry

Concrete masonry products made with CarbonCure's technology contain recycled carbon dioxide (CO<sub>2</sub>). The CO<sub>2</sub> is sourced from local industrial emitters, and is injected into the concrete during manufacturing, where it is chemically converted into a mineral (calcium carbonate) within the concrete. The typical amount of CO<sub>2</sub> recycled in each unit is 15 grams. Once the additional impacts from using CarbonCure's technology are accounted for, the net benefit of using masonry with recycled CO<sub>2</sub> is **~ 13 g CO<sub>2</sub> per unit.**

### CO<sub>2</sub> impact per unit

CO <sub>2</sub> injected (CO <sub>2</sub> in)	15 g CO <sub>2</sub>
CO <sub>2</sub> emissions due to CarbonCure process (transportation, processing, vaporizing of CO <sub>2</sub> , manufacture of equipment)	2 g CO <sub>2</sub>
<b>Net benefit (CO<sub>2</sub> in - CO<sub>2</sub> out)</b>	<b>13g CO<sub>2</sub></b>



### CO<sub>2</sub> impact per project

Number of units used in job	50,000 units
Total amount of CO <sub>2</sub> reduced	650,000 g CO <sub>2</sub>
<b>Total amount of CO<sub>2</sub> reduced</b>	<b>1433 lbs or 650 kg CO<sub>2</sub></b>
Cans of soda equivalent *	~17,000 cans

\* One can of soda contains approximately 39 g of CO<sub>2</sub>

A typical school project using 50,000 CarbonCure blocks could result in the reduction of 650 kg of CO<sub>2</sub>.