CarbiCrete develops innovative, low-cost building solutions that help reduce greenhouse gases. Our breakthrough, patented technology enables the production of cement-free, carbon-negative concrete using mineral waste and CO2 as raw materials.

Using a process called carbonation activation, we eliminate the need for cement in concrete by replacing it with ground steel slag, a by-product of steel-making. The concrete mix is poured into molds just like conventional concrete, and then cured using CO2.

We are licensing the use of this technology to precast concrete manufacturers and will supply the process and support to get partners set up to produce high quality, carbon-negative concrete. Using products made with CarbiCrete technology can contribute to a project’s LEED certification.

30% STRONGER THAN CEMENT-BASED CMUS

LOWERING EMISSIONS ANNUALLY BY
20,000 TONNES

COST SAVING OF UP TO
20%

Visit us online at carbicrete.com
**Cleaner Concrete**
Implementation of the technology reduces GHG emissions by replacing cement in the concrete mix with steel slag, a steel making by-product, and by capturing CO2 in the curing process.

A plant using CarbiCrete technology producing 25,000 CMUs per day would reduce annual emissions by 20,000 tonnes.

3kg of CO2 removed per CMU
2kg avoided by not using cement +
1kg captured during curing

**Better Concrete**
CarbiCrete CMUs are up to 30% stronger than cement-based CMUs. They are at full-strength and ready to ship immediately after curing (24 hours vs 3 days).

**Cheaper Concrete**
CarbiCrete has a better economic model than cement-based concrete. Using steel slag instead of cement represents a cost saving of between 10% and 20%.

<table>
<thead>
<tr>
<th></th>
<th>Cement-Based CMU</th>
<th>CarbiCrete CMU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (kg/m³)</td>
<td>2250</td>
<td>2250</td>
</tr>
<tr>
<td>Water absorption (%)</td>
<td>5.5</td>
<td>6.0</td>
</tr>
<tr>
<td>Compressive strength (MPa)</td>
<td>20</td>
<td>26</td>
</tr>
<tr>
<td>Time to full-strength (in days)</td>
<td>2.3</td>
<td>1</td>
</tr>
<tr>
<td>Moisture content (%)</td>
<td>1.7</td>
<td>1.5</td>
</tr>
<tr>
<td>Fire resistance rating (hrs)</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Annual license fee**
Based on production capacity and the number of product lines

**One-time set-up fee**
To outfit a plant for process implementation

**Supply and quality assurance**
We guarantee the supply of concrete-appropriate steel slag