



## Reduce embodied carbon. Specify cement-free CMUs.

CarbiCrete cement-free CMUs avoid 100% of the emissions associated with cement production, while also removing carbon from the atmosphere permanently.

Our groundbreaking technology eliminates the use of cement as the binder in concrete by replacing it with steel slag and uses carbon mineralization to permanently lock away CO<sub>2</sub> in concrete products during the curing process.

- PERMANENTLY REMOVES CO<sub>2</sub>
- MEETS ASTM C90 PERFORMANCE REQUIREMENTS
- MEETS FIRE RESISTANCE, FREEZE/THAW AND ACOUSTIC PROPERTIES REQUIREMENTS
- HIGHER COMPRESSIVE STRENGTH (UP TO 30%)
- CONTRIBUTES TO LEED POINTS

### More information

info@patiodrummond.com  
819-394-2505

# CEMENT-FREE CMUs

## THE GREATEST INNOVATION IN CONSTRUCTION TECHNOLOGY

Block Properties	Cement-Based CMU	CarbiCrete CMU
<b>Environmental Impact</b>		
Global Warming Potential (kgCO <sub>2</sub> e)	1.62	-0.02
Carbon Removal (kg)	0	0.5
Landfill Waste Reduction (kg)	0	0.2
Primary Materials Conservation (kg)	0	3.3
<b>Dimensions (mm)</b>		
Width	190	190
Height	190	190
Length	390	390
<b>Thickness (mm)</b>		
Walls	32	32
Web	26	26
Equivalent Thickness	105	105
<b>Volume (mm<sup>3</sup>)</b>		
Gross	14,079	14,079
Net	7,884	7,884
<b>Surface Area (mm<sup>2</sup>)</b>		
Gross	741	741
Net	415	415
<b>Weight (kg)</b>	17.3	18.1
<b>Concrete Wall Weight (kg/m<sup>2</sup>)</b>	233	243
<b>Compressive Strength (MPa)</b>	15	>20
<b>Density (kg/m<sup>3</sup>)</b>	2,190	2,300
<b>Fire Resistance (hrs)</b>	1.8	1.8
<b>Sound Properties (STC-dB)</b>	50	50
<b>Thermal Properties (RSI-M2.°C/W)</b>	0.21	0.21