



TABLE 1: Concrete Block GWP per Block Unit using Canadian Regional Industry Averages EPD
<https://ccmpa.ca/wp-content/uploads/CCMPA-EPD-20220913.pdf>

Block size	Density	% solid	Producer Location	Cement Type	CCMPA EPD GWP kg CO ₂ per m ³ of mix	# of block in 1 m ² of mix	GWP kg of CO ₂ per block
10 cm	Light weight	73%	Eastern Region	GUL	164.2	205.4	0.80
15 cm		58%				166.2	0.99
20 cm		56%				126.8	1.29
25 cm		53%				106.1	1.55
30 cm		51%				91.2	1.80
10 cm	Normal weight	73%	Eastern Region	GUL	190.6	205.4	0.93
15 cm		58%				166.2	1.15
20 cm		56%				126.8	1.50
25 cm		53%				106.1	1.80
30 cm		51%				91.2	2.09
10 cm	Light weight	73%	Eastern Region	GU	176.5	205.4	0.86
15 cm		58%				166.2	1.06
20 cm		56%				126.8	1.39
25 cm		53%				106.1	1.66
30 cm		51%				91.2	1.93
10 cm	Normal weight	73%	Eastern Region	GU	205.4	205.4	1.00
15 cm		58%				166.2	1.24
20 cm		56%				126.8	1.62
25 cm		53%				106.1	1.94
30 cm		51%				91.2	2.25
10 cm	Light weight	73%	Western Region	GUL	197.9	205.4	0.96
15 cm		58%				166.2	1.19
20 cm		56%				126.8	1.56
25 cm		53%				106.1	1.87
30 cm		51%				91.2	2.17
10 cm	Normal weight	73%	Western Region	GUL	232.3	205.4	1.13
15 cm		58%				166.2	1.40
20 cm		56%				126.8	1.83
25 cm		53%				106.1	2.19
30 cm		51%				91.2	2.55
10 cm	Light weight	73%	Western Region	GU	213.9	205.4	1.04
15 cm		58%				166.2	1.29
20 cm		56%				126.8	1.69
25 cm		53%				106.1	2.02
30 cm		51%				91.2	2.34
10 cm	Normal weight	73%	Western Region	GU	251.6	205.4	1.23
15 cm		58%				166.2	1.51
20 cm		56%				126.8	1.98
25 cm		53%				106.1	2.37
30 cm		51%				91.2	2.76

https://mecsimgcalc.com/app/5701576/embodyed_carbon_of_a_concrete_block_unit