



Sample Project | 2025

MEGASLAB[®]

UNPRECEDENTED CARBON REDUCTION

Unlocking Unbelievable Strength and Efficiency

MEGASLAB[®] vs. Traditional Concrete

The numbers don't lie.
With the potential for 70% CO2 reduction, our revolutionary concrete technology not only ensures superior performance but also sets a new standard for sustainable infrastructure.

70%
CO2 REDUCTION

Project Size

1,021,258 SF

Concrete Properties

Specified

MEGASLAB[®]

Concrete Thickness Inches

19

8

Portland Cement (ASTM C150) lb/cy

451

305

Fly Ash (ASTM C618) lb/cy

113

183

Slag Cement (ASTM C989) lb/cy

0

122

Concrete Required cy

59,889

25,216

PCS System Boundary

A1 - Raw Material Supply (cementitious only)

Specified

MEGASLAB[®]

CO2 from Portland Cement tonnes

11,296

3,216

CO2 from Fly Ash tonnes

–

–

CO2 from Slag Cement tonnes

–

205

CO2 reduction from eliminating rebar tonnes

–

–

TOTAL CARBON REDUCTION 70%

TOTAL A1 CEMENTITIOUS CO2 tonnes

11,296

3,422

Fixed Inputs

922 kg of CO₂ are generated per tonne of cement* = 0.922 tonnes of CO₂ per tonne of cement; 0 kg of CO₂ are generated per tonne of fly ash* = 0.000 tonnes of CO₂ per tonne of fly ash; 147 kg of CO₂ are generated per tonne of slag cement* = 0.147 tonnes of CO₂ per tonne of slag cement

This calculator considers an ordinary 4,000 psi spec vs. the optimized MEGASLAB solution.



That's right. The owner can **avoid 70% of the CO₂ emissions generated by traditional concrete** on an 1,021,580 SF area.

70% TOTAL CARBON REDUCTION



MEGASLAB®

It's time to use the
strongest, most sustainable
concrete on the planet.



For more information, scan the
QR code or visit megaslab.com

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