

PUTTING CONCRETE TO THE TEST IN CHICAGO

MIT researchers examined the environmental impacts of code-compliant buildings and homes in Chicago over a 60-year period. The results showcased the sustainability, energy efficiency and lasting value of concrete compared to softwood lumber.*



ENVIRONMENTALLY RESPONSIBLE

Over the building's life cycle, concrete reduced greenhouse gas emissions by

3% to 5% over softwood lumber.



LASTING VALUE

While initial costs were less than 5% higher than softwood lumber, the energy efficiency,

reduced maintenance and building resiliency

contributed to overall value and savings over the building's life cycle.



AIR TIGHTNESS AND QUALITY

In a cold climate like Chicago, the thicker wall insulation and tight air filtration levels

saved 23% on total operating energy costs.



ENERGY EFFICIENT

Concrete's thermal mass properties

saved 5% to 8% annually on energy bills.

*The full report titled *Methods, Impacts, and Opportunities in the Concrete Building Life Cycle* can be downloaded from the MIT Concrete Sustainability Hub web site at <http://web.mit.edu/cshub>

If you're not building with ready mixed concrete, it might be time to start. Learn more at BuildWithStrength.com.



A COALITION OF THE NATIONAL READY MIXED CONCRETE ASSOCIATION