



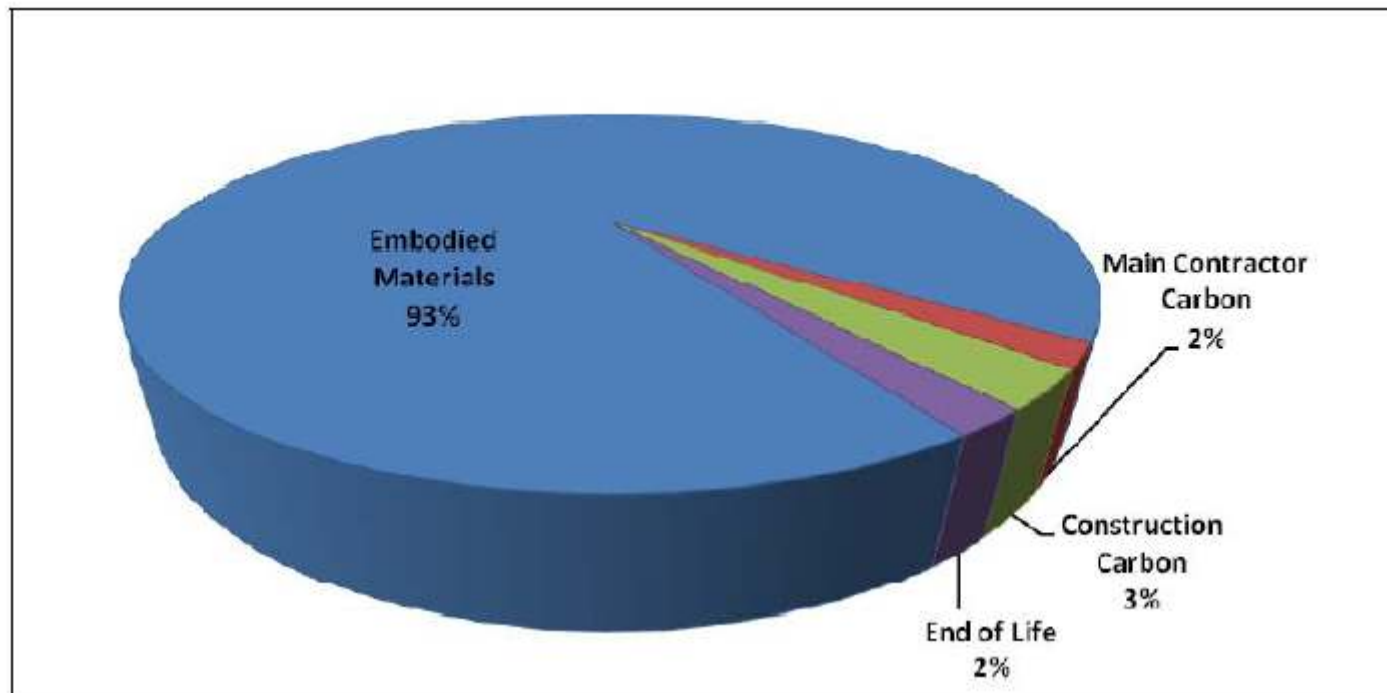
***Cutting carbon emissions in half with
Architecture & Daylight***

September 2009

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Carbon Footprint of Construction

300 kg / m² of built up area



http://www.rics.org/site/download_feed.aspx?fileID=3152&fileExtension=PDF

Carbon-Efficient Materials

Concrete with fly ash (not available yet in UAE at scale) = 30 kg reduction

Recycled steel = 20 kg reduction

Insulated enclosures = 10 kg reduction

Fibreboard = 10 kg reduction

Recycling of waste = 5 kg reduction

Alternate fuels for transport and onsite = 25 kg reduction

100 kg reduction

The Carbon Business Opportunity

“Business
as Usual”

300 kg CO₂e
/ m²

Alternative
Carbon-Efficient
Methods and
Materials

200 kg CO₂e
/ m²

Emissions
Reduction
Projects

100 kg CO₂e
/ m²

Emissions Reduction – Architecture or Infrastructure?

The background features a large, light green leaf-like shape on the left side, partially overlapping a yellow, curved shape that resembles a stylized sun or a leaf. Three horizontal green bars with white text are positioned in the center-right area, overlapping the yellow shape.

Renewable energy

Fuel switch

Wastewater treatment and reuse

Contact



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