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**LIGHTWEIGHT CONCRETE**



Building the future™

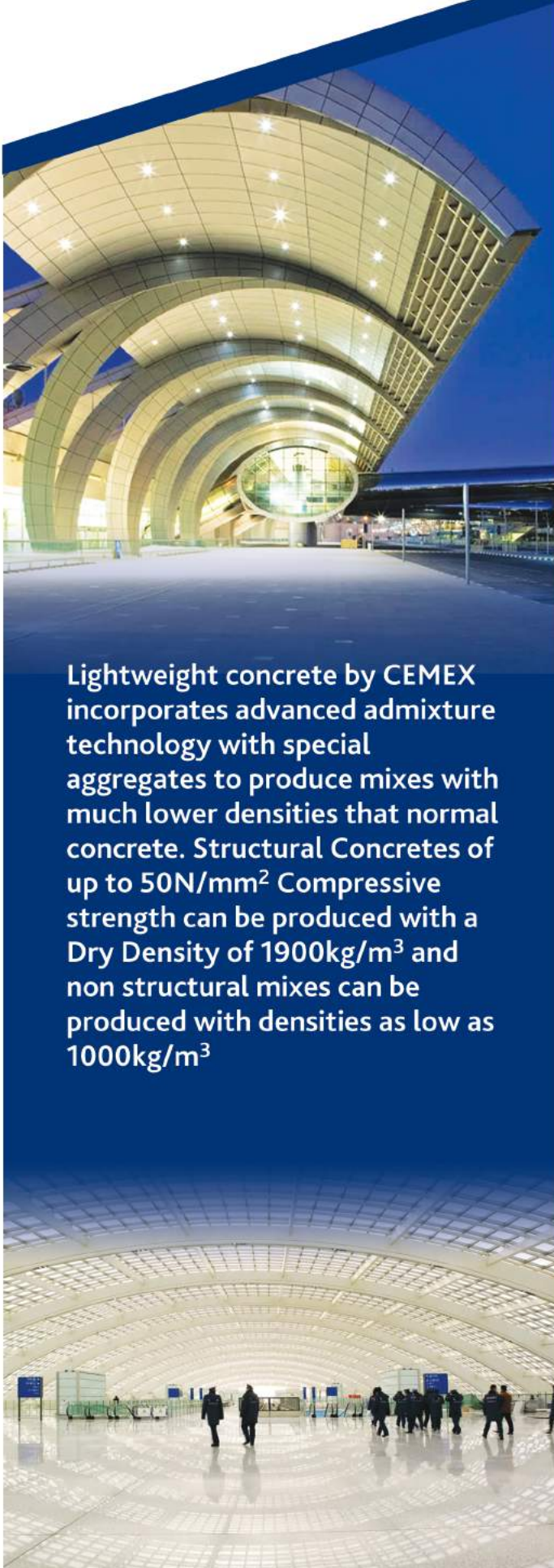


# LIGHTWEIGHT CONCRETE by CEMEX



## Project Spotlight Dubai International Airport, Dubai

CEMEX supplied over 10,000 cubic metres of Lightweight Structural concrete for the mezzanine levels of this prestigious construction project, allowing for greater spans between columns, maximising space within the structure without sacrificing



Lightweight concrete by CEMEX incorporates advanced admixture technology with special aggregates to produce mixes with much lower densities than normal concrete. Structural Concretes of up to 50N/mm<sup>2</sup> Compressive strength can be produced with a Dry Density of 1900kg/m<sup>3</sup> and non structural mixes can be produced with densities as low as 1000kg/m<sup>3</sup>

### Features and Benefits

#### Reduction in weight

- ↳ Up to 60% lighter (Non structural)
- ↳ Up to 25% lighter (Structural)

#### Superior fresh properties

- ↳ Can be pumped
- ↳ Can be placed finished and compacted like normal concrete

#### Improved Fire resistance (Structural)

- ↳ Aggregate stable at high temperatures

#### Environmentally friendly

- ↳ Recycled material
- ↳ Can help to reduce steel and foundation size in structure

### TECHNICAL DATA

Concrete Grade (N/mm <sup>2</sup> )	5 to 45
Durability <sup>1</sup> (RCP, WP, WA)	Not Required
Workability Slump (mm)	150 to 200
Workability Retention (Hours)	1 to 3
Maximum Aggregate Size (mm)	5, 8 and 14
Typical Hardened Density (Kg/m <sup>3</sup> )	1000 to 2000
Cement Types <sup>2</sup>	OPC, SRC, MSRPC
Supplementary Cementitious Materials <sup>3</sup>	DURACEM®/ Microsilica
Colours	Grey

### PERFORMANCE FOOTPRINT

