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**DURABLE CONCRETE**



Building the future™

# DURABLE CONCRETE



## What is Durable Concrete?

CEMEX Durable concrete is a range of concrete specifically tailored to the harsh environmental conditions of the UAE. CX Durable concrete can meet the most demanding requirements for durability, through the use of environmentally friendly materials such as CEMEX Falcon Duracem GGBS.

## Project Spotlight - Ferrari World, Abu Dhabi

CEMEX supplied over one hundred thousand cubic metres of a specially designed high durability concrete for the piling works of this landmark development. This concrete was designed to have very high levels of resistance to harmful chemicals present in the groundwater, whilst remaining easy to pour, pump and place.



ISO 9001  
ISO 14001  
DNV SAS 18001  
BUREAU VERITAS  
Certification



CEMEX has over 20 years of local experience in designing concretes for the harsh climatic conditions experienced in the UAE. Our concretes can resist the harshest environmental conditions, extending the lifespan of structures

## Features and Benefits

### Resistant to chemical attack

- ↳ Resistant to chloride penetration
- ↳ Resistant to sulfate attack

### Low Water/Cement ratio

- ↳ Low permeability
- ↳ Dense microstructure

### Extended Lifespan

- ↳ Durable concretes last longer, extending building life and enabling reuse of structures
- ↳ Reduced maintenance requirements
- ↳ Reduced lifetime cost

## PERFORMANCE FOOTPRINT



PROFESSIONAL  
CONCRETE

DURABLE  
CONCRETE



## TECHNICAL DATA

Concrete Grade (N/mm <sup>2</sup> )	30 to 80
Durability <sup>1</sup> (RCP, WP, WA)	800 to 3000, 10 to 20mm, 1.0 to 1.5
Workability Slump (mm)	75 to 200
Workability Retention (Hours)	up to 3
Maximum Aggregate Size (mm)	10 or 20
Typical Hardened Density (Kg/m <sup>3</sup> )	2450
Cement Types <sup>2</sup>	OPC, SRC, MSRPC
Supplementary Cementitious Materials <sup>3</sup>	DURACEM®/ Microsilica
Colours	Grey or Colored