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 **Evolution™**
Self Compacting Concrete




Building a better future

EVOLUTION SELF COMPACTING CONCRETE



Evolution

Project Spotlight - Ducab Tower, Dubai

Dubai's tallest industrial tower, cast entirely using CEMEX Evolution self compacting concrete (SCC), allowing significant savings in time, labour, equipment and finishing works. Over 6000m³ of Evolution SCC was used in its construction.

Evolution[®] SCC is a self compacting concrete designed for speed, ease of construction and high quality finish. It sets with a smooth surface that requires no vibrating and minimal further finishing. It can be used to replace conventional concrete in many application



Avoid Honeycombing!



Achieve better finishes with



CEMEX Evolution can help you to achieve high quality concreteing while saving on labour equipment and finishing works. Concrete that will last longer and perform better.

CX EVOLUTION[®] is a self compacting concrete designed for speed, ease of construction and high quality finish. It sets with a smooth surface that requires no vibrating and minimal further finishing. It can be used to replace conventional concrete in many application. EVOLUTION[®] reduces manpower and equipment requirements, speeds up construction and reduces cost.

SUITABLE FOR:

- Columns
- Slabs
- Heavily reinforced elements
- Deep Pours
- Complex shapes
- ICF (Insulated Concrete forms)

ADVANTAGES:

- Requires no vibration, flows into place ensuring compaction of the concrete
- Complete compaction ensures dense, impermeable concrete which enhances durability
- Helps to reduce placing time of concrete in large pours, equires less manpower than conventional concrete
- Can fill complex shapes effectively, and achieve better surface finishes
- Eliminates noise and vibration from the placing of concrete, resulting in a safer, healthier working environment
- Reduces cost of equipment hire, labour and fuel, offset price differential to normal concrete.

Features and Benefits

Easy to place

- ↳ Eliminates need for compaction
- ↳ Gives a smooth surface that requires minimal further finishing

High Performance

- ↳ Excellent strength characteristics
- ↳ Full compaction means increased durability

Cost Effective

- ↳ Reduced labour requirement
- ↳ Reduced equipment requirement
- ↳ Rapid placement
- ↳ Elimination of finishing works



TECHNICAL DATA

Concrete Grade (N/mm ²)	30 to 80
Durability ¹ (RCP, WP, WA)	800 to 4000; 10 to 20mm, 1.0 to 3.0
Workability Slump (mm)	650 to 800 Flow
Workability Retention (Hours)	1 to 3
Maximum Aggregate Size (mm)	10
Typical Hardened Density (Kg/m ³)	2450
Cement Types ²	OPC, SRC, MSRPC
Supplementary Cementitious Materials ³	DURACEM [®] / Microsilica
Colours	Grey or Colored

PERFORMANCE FOOTPRINT

