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SHOTCRETE
BY CEMEX



CEMEX
Building a better future

SHOTCRETE

Shotcrete is concrete pneumatically projected onto a surface at high velocity. It is typically blown through a hand-held nozzle, after all the ingredients are mixed to project specifications.

CEMEX Shotcrete is designed by blending separately controlled aggregate sources to produce a product with an ideal grading curve to minimize rebound.

Applications:

Freeform Structures – including skate parks, pools etc
Tunnelling – primary and secondary lining
Tunnelling – regulating layers
Embankment Stabilisation
Pile Facing
Concrete Repairs – including bridges, walls, structures
Flood Structures



Project Spotlight Legend Villas, Dubai

CEMEX is supplying Shotcrete to a contractor using an insulated wall panel system to eliminate the need to construct blockwork walls. The system gives savings in time, cost and labour compared to the conventional blockwork system.



ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification



Features and Benefits

Rapid Construction Method

- ⌞ Savings in time and labour
- ⌞ Reduction in wastage.

Can be applied in any shape

- ⌞ Can make shapes that are hard to achieve in conventional concrete.

Elimination of formwork

- ⌞ Reduced costs.
- ⌞ Storage area not required for formwork.
- ⌞ Craneage not required for formwork.



CEMEX Shotcrete concrete is a specially designed concrete developed for use with compressed air spraying equipment. Shotcrete is a fast and effective way to apply a concrete in areas where using conventional concrete would be difficult. CEMEX Shotcrete also forms an integral part of an innovative low cost, low carbon housing solution

TECHNICAL DATA

Concrete Grade (N/mm ²)	05 to 40
Durability ¹ (RCP, WP, WA)	Not Required
Workability Slump (mm)	75 to 200
Workability Retention (Hours)	2 to 8
Maximum Aggregate Size (mm)	5 or 10
Typical Hardened Density (Kg/m ³)	2300
Cement Types ²	OPC
Supplementary Cementitious Materials ¹	DURACEM®
Colours	Grey

PERFORMANCE FOOTPRINT

