

CEMEX PRECAST SOLUTION PORTFOLIO	MEASURABLE KPI	MEASURABLE KPI - VALUE OFFER																																												
<b>RAW MATERIAL</b>																																														
OPC	As per BS EN 197-2001	As per BS EN 197-2001																																												
GGBFS	As per BS EN 15167	As per BS EN 15167 1. Activity Index > 120 % 2. AL2O3: <14%																																												
Admixture	As per BS EN 934	As per BS EN 934 Guaranteed Performance across 12 months/year																																												
Technical Services		1. Mix design optimization for cost & performance 2. Extended lab facilities for R & D 3. Higher Initial compressive strength with GGBFS  <table border="1"> <thead> <tr> <th colspan="4">Target : 13 - 15 Mpa compressive strength</th> </tr> <tr> <th>GGBFS Inclusion%</th> <th>8 hours</th> <th>10 hours</th> <th>12 hours</th> </tr> </thead> <tbody> <tr><td>25</td><td>Y</td><td>Y</td><td>Y</td></tr> <tr><td>30</td><td>Y</td><td>Y</td><td>Y</td></tr> <tr><td>35</td><td>N</td><td>Y</td><td>Y</td></tr> <tr><td>40</td><td>N</td><td>Y</td><td>Y</td></tr> <tr><td>45</td><td>N</td><td>N</td><td>Y</td></tr> <tr><td>50</td><td>N</td><td>N</td><td>Y</td></tr> <tr><td>55</td><td>N</td><td>N</td><td>Y</td></tr> <tr><td>60</td><td>N</td><td>N</td><td>N</td></tr> <tr><td>65</td><td>N</td><td>N</td><td>N</td></tr> </tbody> </table>	Target : 13 - 15 Mpa compressive strength				GGBFS Inclusion%	8 hours	10 hours	12 hours	25	Y	Y	Y	30	Y	Y	Y	35	N	Y	Y	40	N	Y	Y	45	N	N	Y	50	N	N	Y	55	N	N	Y	60	N	N	N	65	N	N	N
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On time delivery of products	12 Hours	Express delivery : within 3-4 working hours																																												
Readymix supplies	x	Evolution   Promptis																																												
Aggregates Sourcing assistance	x	Entertained on request																																												



We can also provide technical support and advice in many areas, such as Mix optimization for performance and help you in demonstrating the environmental benefits of GGBFS by providing data on Carbon footprint which could be up to 45% depending on the mix design.

As part of our offer, our Technical experts can work with your team to develop and support the appropriate solution.

For any queries, please contact  
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**Hotline: 800CEMEX (800-23639-4) & 800CEMEX4U (800-23639-48)**



## Precast Solutions

### CEMEX in precast technology

CEMEX is unique in the UAE in being able to draw on our global experience of working with precast concrete in challenging environments. We work with our precast customers to deliver optimized solutions to best meet the needs of Precast production processes.

In the UK, for over 30 years we have been the leading company in the manufacture of Critical Prestressed concrete Railway Sleepers for the national high speed rail network. In Germany we have been involved in the development of a revolutionary precast housing system that allows the full construction of a house shell in a day.

This depth of experience in many countries gives us a unique perspective and insight into the needs of the precast concrete sector.

### Precast Challenges in the UAE

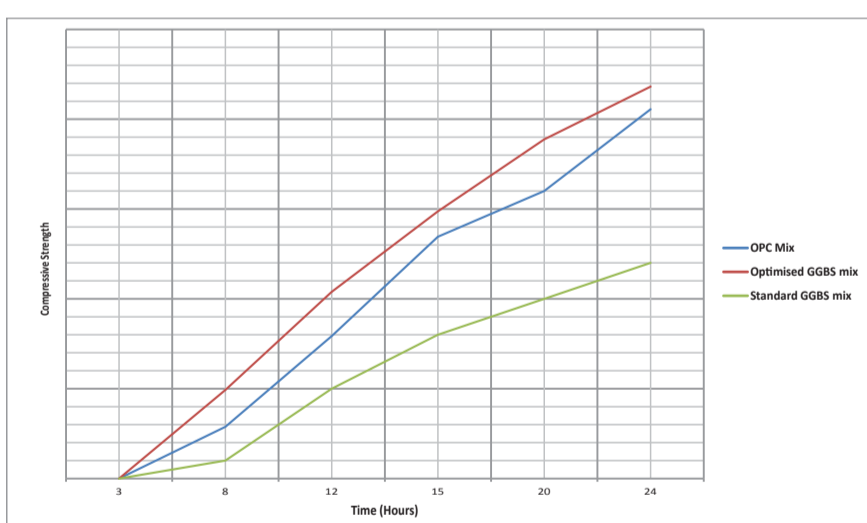
In UAE, Precast manufacturers face many challenges including high ambient temperatures over 55 degrees and low winter temperatures of 10 degrees, changing regulatory frameworks such as DM circular 202 in Dubai or the Estidama of Abu Dhabi which drive the use of various sustainable construction materials whilst maintaining productivity and efficiency.



### The CEMEX advantage

Cemex Precast Solutions is a result of technological synergy of Cementitious products, admixtures and technical services to deliver.

- 1) Reduction in Production cycle time and increased productivity.
- 2) Increase in production rate/hour and labour cost savings.
- 3) Improved Cash flow and increased production capacity.
- 4) Compliance to DM 202 and Carbon foot print Reduction.



Excellent strength performance at early ages can be achieved allowing for enhanced productivity whilst enabling to achieve regulatory compliance.

### Precast Process Value chain challenges and CEMEX Solutions



#### PRECAST CHALLENGES

Inconsistent quality of supply material	Workability related issues & compliance to DM 202	Lower productivity affecting overall efficiency due to delayed demoulding time which increases production Cycle Time	Stock yard capacity constraint
Not optimized Mix Design for Cost and Performance	Plant breakdowns and no concrete production	Capacity constraints	Logistics problems
	Poor appearance of finished product	Late lifting of manufactured elements from the table due to low compressive strength	
	Delayed early Compressive Strength		

#### CEMEX PRECAST SOLUTIONS

Consistent supply of quality OPC, GGBS, Admixtures & Aggregates	CEMEX Technical assistance and extended Laboratory facilities for R & D	Reduction in Production cycle time due to faster demoulding and increased productivity	Express delivery within 3 working hours
Mix Design Optimization Services including Specialized Admixtures system	Supply of Ready mix Concrete designed to the services	Increases production rate/hour and savings in Labour cost	Higher compressive strength within 10 hours which can help demould and ship earlier
	Compliance to DM 202 and Carbon Footprint reduction	Improve cash flow and provide scope for increased capacity without any additional investments	



Precast concrete sea defenses in the Dominican Republic, made with CEMEX cement and expertise.

### CEMEX Precast Solution

- Can help you to reduce production cycle time and hence improve your productivity even with inclusions of GGBFS.
- Provide increase in productivity through customized mix designs specifically developed for the production of structural precast elements which saves time and Labour costs. This increased productivity will help your cash flow as " No additional investments required for increasing production capacity."
- Enables compliance with Dubai Municipality Circular - 202 and reduction of carbon foot print.
- Provides "Technical Consultancy services" on Mix optimization for performance and cost alongwith extended lab facilities for R & D.
- CEMEX GGBS can enhance the whiteness of the finished precast elements with superior surface finish and help you save on white cement cost and without dedicated silo.
- Single window sourcing for all cementitious materials and admixture.