

MASTER[®]
» BUILDERS
SOLUTIONS

— Innovative
Solutions
for the Precast
Industry





Setting the Industry Standard for Precast Manufacturing

Master Builders Solutions is the global brand of advanced chemical solutions for construction. Built on more than 100 years of industry experience, Master Builders Solutions combines technological know-how and a comprehensive portfolio of products to develop innovations that drive sustainable construction – and help our customers be more successful.

Through an unparalleled commitment to research and development, as well as insight gained from countless construction projects worldwide, Master Builders Solutions delivers a robust selection of products to the precast concrete industry.



An In-depth Understanding of the Precast Segment

The technical experts behind the Master Builders Solutions brand are widely respected throughout the construction industry, actively participating in key associations and panels. Within the precast concrete segment, we pride ourselves on our deep understanding of the business and the unique challenges our customers face—from conception through project completion. Our high quality precast solutions serve four primary concrete construction market sectors:

- **Structural** – Parking Garages, Bridges/Double T's, Warehouses, Higher Education
- **Architectural** – Facades, Traffic Barriers (non-highway)
- **Utility** – Waste Water Treatment, Manholes, Pipes, Vaults
- **Tunneling** – Tunnel Wall Panels

A Complete Range of High-Quality Precast Solutions

Whether supplying precast solutions to a bridge builder or a drainage contractor, the goal of today's concrete producer is clear: increase quality and efficiency within tight timelines, while managing costs. Master Builder Solutions addresses these challenges with a full complement of precast products and services, including:

MasterGlenium®

High-range, water-reducing admixtures specially formulated for applications where slump retention, high early strengths and durability are required.

MasterFiber®

High performance fiber products developed to increase durability and control concrete cracking, with options offering exceptional finishability.

MasterFinish®

A family of additives and form release agents designed to achieve an outstanding surface finish.

MasterColor®

Admixtures that are used to add beautiful, durable and integral color to concrete structures.

MasterLife®

Admixtures formulated to produce extremely strong, durable concrete with increased service life potential.

MasterMatrix®

Unique rheology-modifying admixtures to help achieve stable, self-consolidating concrete (SCC) for increased productivity and higher durability.

MasterSet®

A comprehensive range of admixtures that allow concrete producers to modify the setting time of concrete according to specific project needs.

Master X-Seed®

Innovative admixtures that accelerate concrete hardening at early stages of curing.

MasterSure® Z 60

A workability-retaining admixture that provides flexible degrees of slump retention without retardation.

MasterAir® AE 90

An air-entraining admixture used to reduce freeze/thaw damage.



Excellent Products – Exceptional Results

By taking into consideration all aspects of the production process for precast elements, Master Builders Solutions best-in-class products deliver a number of important benefits:

- **Increased Productivity** – Produce more pieces at a faster pace, thereby reducing overall costs.
- **Improved Quality** – Create high-quality products right out of the form with no onsite repairs or patchwork required.
- **Better Aesthetics** – Improve the appearance of products with a smoother, more uniform surface.
- **Improved Durability** – Develop products with an enhanced level of durability.



Master Builders Solutions

The following chart outlines our precast product offerings along with the sectors each product serves.

Product Selection Guide

Industry Sector

Performance/Characteristic	Structural	Utility	Architectural	Tunneling
Productivity				
MasterGlenium 3400	●	●	●	●
MasterGlenium 7920		●	●	
MasterGlenium 7700	●			
MasterGlenium 7710	●	●	●	●
Self-Consolidating Concrete (SCC)				
MasterGlenium 3400	●	●		●
MasterGlenium 7920	●	●	●	●
MasterGlenium 7700	●	●	●	●
MasterGlenium 7710	●	●	●	
MasterGlenium 7925	●	●	●	●
Master X-Seed 44	●	●	●	
Master X-Seed 55	●	●	●	●
Durability				
MasterLife SF 100	●	●	●	●
MasterLife CI 30/CI 222	●	●	●	●
MasterLife SRA/CRA		●	●	
Set Control				
MasterSet 534/FP 20	●	●		●
Batch to Batch Consistency				
MasterSure Z 60	●	●	●	●
MasterMatrix VMA 362	●	●	●	●
Aesthetics				
MasterColor	●		●	
MasterFinish	●		●	

Industry Sector

Performance/Characteristic	Structural	Utility	Architectural	Tunneling
Production Cost Reduction				
MasterFiber		●		●
Master X-Seed 55/44	●	●	●	●
Surface Appearance				
MasterFinish	●	●	●	●
MasterGlenium 3400	●	●	●	●
MasterGlenium 7700	●	●	●	●
Safety				
MasterFinish	●	●	●	●
MasterFiber		●		●
High Early/Release Strength				
12-18 Hours				
Master X-Seed 44	●	●	●	●
MasterGlenium 3400	●	●	●	
MasterGlenium 7920	●	●	●	
MasterGlenium 7700	●	●	●	
MasterGlenium 7710	●	●	●	
MasterGlenium 7925	●	●	●	
24 Hours				
Master X-Seed 55	●	●	●	●
Operational Efficiency				
MasterGlenium 7920	●	●	●	
MasterGlenium 7925	●	●	●	
MasterSure Z 60	●	●	●	
Master X-Seed 55/44	●	●	●	●
MasterFiber		●		●

About Master Builders Solutions

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focussed on delivering its vision: **Inspiring people to build better**. Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of

construction materials and to enable the reduction of CO2 emissions in the production of concrete. Founded in 1909, Master Builders Solutions has ca. 1600 employees operating 35 production sites globally, supporting their customers in mastering their building challenges of today – for a decarbonised future.

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