

PRECAST SOLUTIONS

**Chemical Admixtures,
Fibers, Repair Products
and Form-Release Agents**

- Air-Entraining Agents
- Accelerators
- Water-Reducers and Superplasticizers
- Specialty Admixtures
- Silica Fume
- Masonry Admixtures
- Fiber Reinforcement
- Form-Release Agents
- Concrete Repair Mortars
- Epoxy Adhesives
- Construction Grout
- Evaporation Retardant

About Admixtures for Concrete

Quality products, innovative applications

Our products are designed and used by leading-edge concrete producers with an emphasis on performance concrete. The products uniquely incorporate the optimum utilization of Portland cement and cementitious material in combination with local aggregate to achieve superior strength development, workability and enhanced finishing at low water-to-cement ratios.

The key to our success is people

People are the true assets of an organization. Our company is made up of individuals who have extensive industry knowledge of the industry and listen to customers' specific needs. We have designed a solid program that addresses specific issues and allows for achievement of performance.

Manufacturing

Not only are our admixtures manufactured to exacting specifications, they are formulated to produce optimum improvement in quality and uniformity of concrete under a variety of climatic conditions.

Dispenser systems

We manufacture and maintain our own chemical dispenser units with qualified professionals to ensure efficient batching of admixture products.

Transportation

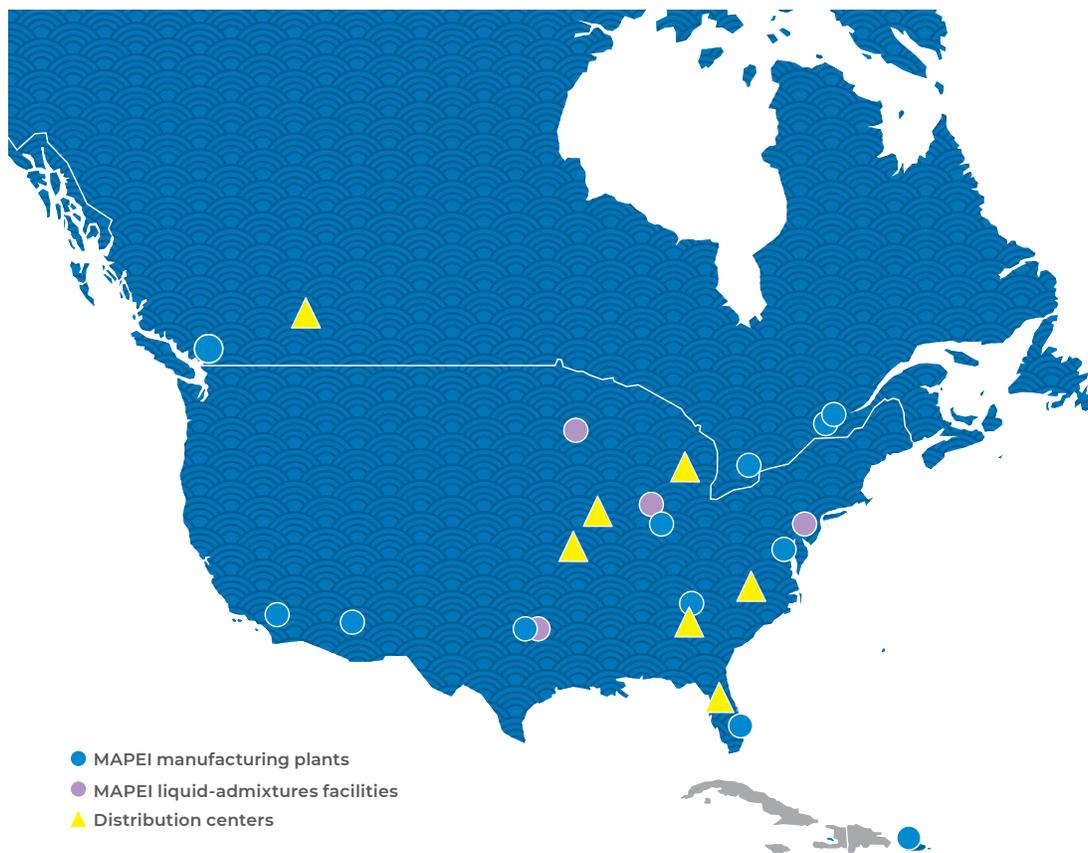
We own and operate multi-compartment tanker trucks used by professional company drivers for timely deliveries of product. Plus, our employees understand the critical aspect of providing the correct products in their proper tanks.

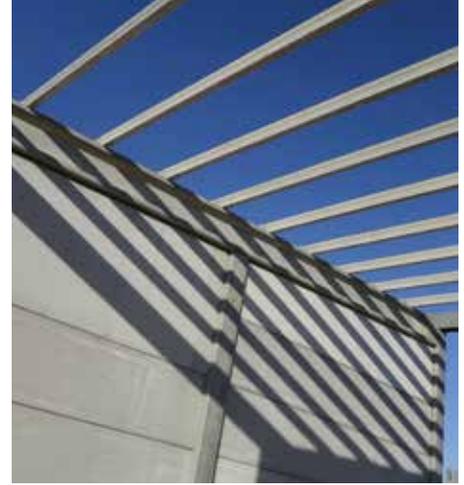
Technical support

We are proud to offer the technical expertise, product integrity and customer support that assure customers of a respected position within their construction community. We are committed to the continuous improvement and performance of the world's basic construction material: Concrete.

DISTRIBUTION CENTERS
USA
Calhoun, GA
Charlotte, NC
Fowlerville, MI
Kansas City, KS
Grimes, IA
Wildwood, FL
Canada
Calgary, AB

MANUFACTURING PLANTS
USA
Dalton, GA
Eagan, MN
Fort Lauderdale, FL
Fredericksburg, VA
Garland, TX
Madison, IL
San Bernardino, CA
Swedesboro, NJ
Tempe, AZ
West Chicago, IL
Canada
Brampton, ON
Delta, BC
Laval, QC
Maskinongé, QC
Puerto Rico
Dorado





AIR-ENTRAINING AGENTS

Polychem AE

Specially developed, multi-component air-entraining agent that produces an air-void system superior to that produced by Vinsol-resin-based air-entraining agents.

Polychem VR

Ready-to-use air-entraining agent in an aqueous solution of neutralized Vinsol resin.

Polychem SA

Multi-component air-entraining admixture that has been stabilized to produce an air-void system consistent with industry requirements and standards. It will produce an air-void system that is equivalent to or exceeds that of pure Vinsol-resin-based admixtures at substantially reduced dosage rates.

Polychem SA-50

Multi-component air-entraining admixture that has been stabilized to produce an air-void system consistent with industry requirements and standards. *Polychem SA-50* is a reduced-solids version of *Polychem SA*.

ACCELERATORS

Polychem Super Set

Non-chloride, non-corrosive, water-reducing admixture formulated to accelerate the strength development and setting time of concrete in cold weather.

Polychem Super Set II

Non-chloride, non-corrosive, water-reducing admixture formulated to accelerate the strength development and setting time of concrete in cold weather.

Polychem Super Set Plus

Non-chloride, non-corrosive, water-reducing admixture formulated to accelerate the strength development and setting time of concrete in cold weather.

WATER REDUCERS AND SUPERPLASTICIZERS

Dynamon™ SX

High-range water-reducing, high-performance admixture for concrete, based on polycarboxylate technology belonging to the MAPEI *Dynamon* system.

EVO 2500

The latest in polycarboxylate technology that has been formulated to effectively meet demanding expectations for high-performance concrete. It will increase dispersion and hydration of all cementitious materials, while enhancing the rheology and strength characteristics of concrete at all ages.

Polychem 3000

Normal-setting, multi-range water-reducing admixture for concrete utilizing polycarboxylate technology. Designed to facilitate the placing and finishing of ready-mixed concrete that is highly flowable and workable for conventional periods of time with normal-setting characteristics.

Polychem SPC

Non-chloride, normal-setting complete-range water-reducing admixture based on polycarboxylate chemistry. Designed to be used in all concrete applications by varying the dosage rate, including those that may require high flowability or complete self-consolidating concrete (SCC) while maintaining workability and normal-setting characteristics.

Melchem

Non-chloride, water-soluble, melamine-based, high-range water-reducing admixture and superplasticizer.

Dynamon SX 37

High-range water-reducing admixture offering a high level of workability and exhibits excellent mechanical properties when hardened.

Dynamon NRG 1092

High-range water-reducing admixture for normal setting, high-performance, durable concrete. This product is designed for use in all types of concrete.

SPECIALTY ADMIXTURES

Polychem VMA

Formulated to improve the viscosity of highly flowable mixes, decrease the potential for segregation and improve the finishing characteristics of lean concrete mixes.

Polychem Renu

Ready-to-use liquid solution manufactured to control the hydration process in Portland-cement concrete and concrete wash water.

Mapecrete V3K

High-efficiency viscosity-modifying admixture used in the production of self-compacting concrete without fillers.

SILICA FUME

Microsilica

Amorphous silicon dioxide (silica) consisting of sub-micron spherical primary particles and agglomerates of these. The material is highly reactive in cementitious and ceramic bond systems.

FIBER REINFORCEMENT

Polymesh™ M

Monofilament fiber reinforcement system for concrete that is manufactured to optimum gradations from 100% pure virgin polypropylene, which increases the homogenization of concrete to produce a more favorable consistency at equal slump.

Polymesh™ F

Fibrillated fiber reinforcement system for concrete that is manufactured to optimum gradations from 100% pure virgin polypropylene, which increases the homogenization of concrete to produce a more favorable consistency at equal slump.

Advantage Macrosynthetic Fiber

Synthetic macro fiber reinforcement that provides post-first-crack toughness and enhanced fatigue strength, impact resistance and surface abrasion resistance, which leads to a more durable concrete with a longer service life.

Advantage HP Fiber

Provides a uniformly distributed three-dimensional reinforcement system to the concrete, able to proactively control cracking for plastic and drying shrinkage and to provide post-first-crack residual strength.

MASONRY ADMIXTURES

MP-10

A high-performance, efflorescence-reducing, water-repelling admixture for both wet- and dry-cast concrete applications.

Polychem BP

Ready-to-use, high-performance, liquid plasticizer recommended for use in concrete block, both standard weight and lightweight. *Polychem BP* is also effective in the production of concrete pipe, especially when low slump is required.

FORM-RELEASE AGENTS

Mapeform Oil

Product for easy stripping and reduction of bug holes.

Mapeform ECO 31

Form-release agent based on vegetable oils. Particularly suitable for vertical applications.





CONCRETE REPAIR MORTARS

Featuring a variety of solutions including fast-setting, fiber-reinforced, corrosion protection, shrinkage-compensated, sulfate-resistant, silica-fume-modified and fine/smooth textures for precast elements that require an aesthetic finish

Planitop® X

Hand-packed repair mortar that can easily be shaved to match surrounding contours.

Planitop® XS

Extended-working-time, hand-packed repair mortar that can easily be shaved to match surrounding contours.

Planitop® 12 SR

Sulfate-resistant repair mortar with a long working time for vertical, overhead and horizontal use.

Planitop® 11

Pre-extended concrete repair mortar for full-depth repairs.

Planitop® 11 SCC

Pre-extended self-consolidating concrete.

Planitop® 200

Cement-based skimcoating mortar for concrete.

Planiseal® 88

Cement-based, waterproof coating for positive and negative sides.

Tilt Finish™

Skimcoating mortar for tilt-wall panels and vertical precast elements.

EPOXY ADHESIVES

Epojet™ and Epojet LV

Low-viscosity, epoxy injection resins for repairing cracks in cured concrete.

Planibond® AE

Gel-viscosity epoxy adhesive.

Planibond® AE Fast

Fast-setting, gel-viscosity epoxy adhesive.

CONSTRUCTION GROUT

Planigrout® 712

Nonshrink, cement-based grout for grouting precast concrete.

EVAPORATION RETARDANT

Mapecrete™ Film

Evaporation retardant and finishing aid on exposed, formed concrete.

PRECAST SOLUTIONS



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(954) 246-8888

Technical Services:
1-888-365-0614 (U.S. and Puerto Rico)

Customer Service:
1-800-42-MAPEI (1-800-426-2734)

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