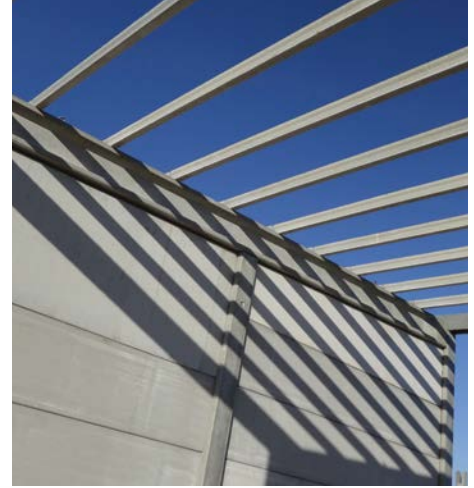


# PRECAST SOLUTIONS

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

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



## AIR-ENTRAINING AGENTS

### ***Mapeair VR*** (formerly known as Polychem VR)

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

### ***Mapeair SA*** (formerly known as 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.

### ***Mapeair SA-50*** (formerly known as Polychem SA-50)

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

## ACCELERATORS

### ***Mapefast Super Set***

(formerly known as Polychem Super Set)

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

### ***Mapefast Super Set II***

(formerly known as 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.

### ***Mapefast Super Set Plus***

(formerly known as 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.

### ***Mapeplast 3000*** (formerly known as 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.

### ***Dynamon SPC*** (formerly known as 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.

### ***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

### ***Mapecrete™ Resolve***

A ready-to-use, liquid solution manufactured to control the hydration process in Portland-cement concretes and concrete washwater. This advanced set retarder coats the hydrating cement particles in the concrete and washwater, resulting in the suspension of the hydration chemical reaction.

### **Mapecrete VMA**

(formerly known as 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.

### **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**

### **Mapecrete ST 42**

A blend of polypropylene and polyethylene resins, configured as wavy fiber. It is used for concrete reinforcement, to replace some rebar system and welded wire mesh (WWM) reinforcement, as well as steel fibers.

### **Mapecrete M** (formerly known as 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.

### **Mapecrete F** (formerly known as 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.

### **Mapecrete Advantage XP**

High-tensile fibers that are manufactured from a blend of 100%-virgin polyolefin resins. *Mapecrete Advantage XP* fibers are uniquely engineered to provide "built-in reinforcement" as a replacement for steel fibers, welded wire mesh (WWM) and conventional reinforcing bars in a variety of secondary reinforcement applications.

### **Mapecrete Advantage PM**

Synthetic fibers that are manufactured from a blend of 100%-virgin polyolefin resins. *Mapecrete Advantage PM* fibers are uniquely engineered to provide "built-in reinforcement" as a replacement for steel fibers, welded wire mesh (WWM) and conventional reinforcing bars in a variety of secondary reinforcement applications.

## **MASONRY ADMIXTURES**

### **MP-10**

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

### **Vibromix BP** (formerly known as Polychem BP)

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

## **FORM-RELEASE AGENTS**

### **Mapecrete Oil**

Product for easy stripping and reduction of bug holes.

### **Mapecrete 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**

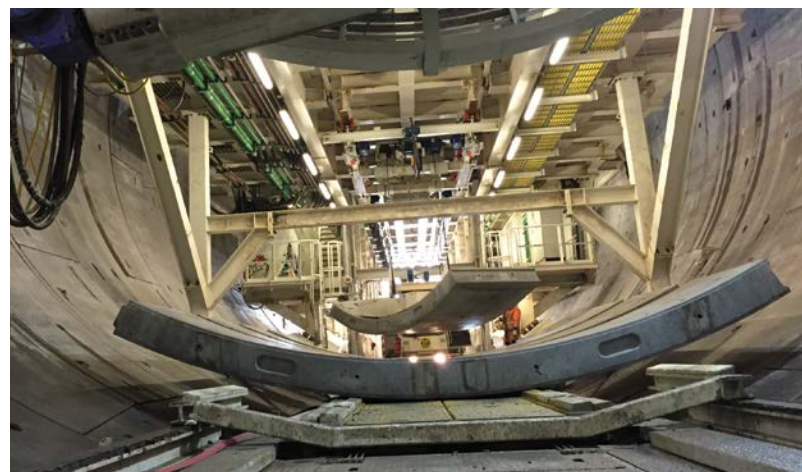
Hand-packed repair mortar that can easily be shaved to match surrounding contours.

### **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.

### **Topcem™ Pronto**

Extended-working-time screed mortar.

## **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.

### **Planibond® SBA**

Normal-set, segmental bridge adhesives.

### **Planibond® SBA SlowSet**

Slow-setting, segmental bridge adhesives.

### **Planibond® Hi-Mod Gel**

High-modulus, non-sag, structural epoxy adhesive.

## **CONSTRUCTION GROUTS**

### **Planigrout® 712**

Nonshrink, cement-based grout for grouting precast concrete.

### **Planigrout® 728**

Nonshrink precision grout.

### **Planigrout® PT**

Post-tensioning grout.

## **EVAPORATION RETARDANT**

### **Mapecrete™ Film**

Evaporation retardant and finishing aid on exposed, formed concrete.

## **CURING COMPOUNDS**

### **Mapecure™ CS**

Solvent-based, pure acrylic concrete sealer.

### **Mapecure™ AP**

General-purpose, acrylic polymer curing and sealing compound.

### **Mapecure™ DR and Mapecure DR 1D**

Water-based, dissipating-resin curing compounds.

### **Mapecure™ UV**

High-solids, acrylic curing and sealing compound.

### **Mapecure™ UV WB**

High-solids, water-based, acrylic curing and sealing compound.

# 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.

## MAPEI Production Plants in the USA



FACILITIES
USA – MAPEI
Atlanta (Calhoun), GA
Atlanta (Dalton), GA
Charlotte, NC
Dallas, TX
Deerfield Beach, FL
Des Moines, IA
Fort Lauderdale, FL
Fredericksburg, VA
Houston, TX
Kansas City, KS
Lansing, MI
Madison, IL
Minneapolis, MN
Orlando, FL
San Bernardino, CA
Swedesboro, NJ
Tempe, AZ
West Chicago, IL



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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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