

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





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.

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.

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 graduations 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 graduations 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.

MASONRY ADMIXTURES:

MP-10

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

HCSP

Low-slump concrete, highly concentrated superplasticizer for concrete pipe production.

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 AGENT:

Mapeform Oil

Product for easy stripping and reduction of bug holes.





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.

A photograph of construction workers on a site. In the foreground, a worker in a yellow hard hat and orange safety vest is looking at a set of blueprints. Another worker in an orange hard hat and safety vest is also visible. The background shows a construction site with rebar structures and concrete forms under a cloudy sky.

MAPEI/GRT offers globally proven products and systems for the demanding production and repair of various precast concrete elements including hollow-core planks, concrete pipes, burial vaults, septic tanks and double tees, as well as other specialized precast members. Whether it is repairing a “cull” or injecting a crack, MAPEI/GRT can provide the correct product or system for your needs.

General Resource Technology, Inc. (GRT) continues to grow and expand as a member of MAPEI Group in the Americas. GRT has four production sites – located in Eagan, MN; Madison, IL; Logan Township, NJ; and Garland, TX.

Originally established in 1937, the parent company MAPEI is a privately owned global corporation headquartered in Milan, Italy, with 81 subsidiaries including 70 plants in 32 countries. The company specializes in manufacturing chemical products for building, including waterproofing products, special mortars and admixtures for concrete, products for the restoration of ancient buildings, and special decorative and protective coatings for concrete surfaces. In addition, MAPEI is the world leader in the manufacturing of mortars, grouts, adhesives and complementary products for the installation of all types of floor and wall coverings.

The combination of GRT with MAPEI’s strong reputation in the construction industry strengthens the regional company as it grows under the auspices of the global corporation. By developing synergies with its own product lines, MAPEI expects to expand the GRT footprint east and west in the United States.

Now designated as MAPEI/GRT, the company is ready to meet its customers’ needs with the best products, customer service and technical support in our market today and in the future.

PRECAST SOLUTIONS



Keyword: MAPEI Americas

Admixtures for Concrete

General Resource Technology, Inc.
2978 Center Court
Eagan, MN 55121
1-800-324-8154 /
(651) 454-4151

Concrete Restoration Systems

MAPEI Headquarters of the Americas
1144 East Newport Center Drive
Deerfield Beach, FL 33442
1-888-US-MAPEI (1-888-876-2734) /
(954) 246-8888

Technical Services:

1-888-365-0614 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service:

1-800-42-MAPEI (1-800-426-2734)

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