



**MAPECURE SRA
Shrinkage and Crack-Reduction Curing Additive**

**SECTION 03 06 00
ADDITIVES AND ADMIXTURES**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Additives and admixtures

1.2 RELATED SECTIONS

- A. Section 03 30 00 – Cast-In-Place Concrete

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum of 5 years' experience in manufacturing similar products.
- B. Installer Qualifications: Minimum of 2 years' experience in installing similar products.
- C. Source Limitations: For repair products, obtain each color, grade, finish, type and variety of product from single source and from single manufacturer with resources to provide products of consistent quality in appearance and physical properties.

1.5 PRE-INSTALLATION MEETINGS

- A. Convene at least two weeks prior to starting work of this section.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

1.7 PROJECT CONDITIONS

Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.



1.8 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Product Properties:

Physical state	Liquid
Color	Transparent
Additive amount	0.25% to 0.50% of weight of the powdered MAPEI mortar; see the chart on the Technical Data Sheet for examples

B. Acceptable Manufacturer:

MAPEI North America
1144 E. Newport Center Dr.; Deerfield Beach, FL 33442
Toll-Free for CRS Technical Services: Tel. 888-365-0614
Email: CRS@mapei.com
Web: www.mapei.com

- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

- D. Substitutions: Not permitted.

2.2 ADDITIVES AND ADMIXTURES

- A. Liquid admixture that reacts chemically to reduce hydraulic shrinkage and the formation of micro cracks. Mapecure SRA is compatible with traditional MAPEI concrete restoration materials.

1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapecure SRA.

2.3 MISCELLANEOUS MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I, II or III unless otherwise indicated.
- B. Water: Potable.

2.4 MIXES

- A. General: Mix products, in clean containers, according to manufacturer's written instructions.

1. Do not add water, thinners or additives unless recommended by manufacturer.
2. When practical, use manufacturer's premeasured packages to ensure that materials are mixed in proper proportions. When premeasured packages are not used, measure ingredients using graduated measuring containers; do not estimate quantities or use shovels or trowels as units of measure.
3. Do not mix more materials than can be used within time limits recommended by manufacturer. Discard materials that have begun to set.



PART 3 EXECUTION

3.1 PREPARATION

- A. Follow the surface preparation instructions on the Technical Data Sheet (TDS) of the specific mortar used.

3.2 MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

- A. Into a concrete mixer, pour the water amount recommended on the TDS of the selected mortar.
- B. Start the mixer and slowly add the mortar. Continue mixing until a homogeneous mixing is achieved.
- C. Add 0.25% to 0.5% of Mapecure SRA based on the premixed, dry weight of the mortar powder, as shown in the example in Chart 1 on the TDS.
- D. Remix to thoroughly incorporate the additive and achieve a lump-free homogeneous mixture.

3.3 INSTALLATION

Read all installation instructions thoroughly before installation.

- A. Test all surface treatments on a small sample area, before application, to ensure that the desired results will be achieved.

END OF SECTION