

Mapecure SRA

Shrinkage-Reduction Admixture



DESCRIPTION

Mapecure[™] *SRA* is a ready-to-use, liquid admixture that aids in reducing drying shrinkage, resulting in a reduction in the formation of microcracks.

FEATURES AND BENEFITS

- Reduces final shrinkage 20% to 50% when compared to the same mixture without the use of *Mapecure SRA*
- Ready to use
- Chemically reduces drying shrinkage
- Chloride-free
- Compatible with all types of Portland-cement concrete and repair mortars
- Compatible with modified concrete and mortar mixes containing fly ash, ground granulated blast furnace slag (GGBFS) and silica fume

WHERE TO USE

- Use with Portland-cement-based repair mortars and construction grouts, including MAPEI's *Planitop 11*, *Planitop 11 SCC*, *Planitop 12 SR*, *Planitop 15*, *Planigrout 712*, *Planigrout 728* and *Planigrout 755*.
- Use in the repair of all types of structural and nonstructural concrete.
- Use in large-volume placements of horizontal repair and topping mortars.

SURFACE PREPARATION

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

MIXING

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

1. Mix the selected MAPEI concrete repair mortar or construction grout as directed on the product's TDS.
2. After mixing the selected repair mortar or construction grout to the desired consistency, add 0.25% to 0.50% of *Mapecure SRA* based on the premixed, dry weight of the mortar/grout powder, as shown in the example below. Typical dosage rates for bulk concrete is 1.0 to 1.6 U.S. gals. per cu. yd. (4.95 to 7.92 L per m³).
3. Remix to thoroughly incorporate the admixture and achieve a lump-free, homogenous mixture.

PRODUCT APPLICATION

- Before installation, read all TDS installation instructions thoroughly for the repair mortar or construction grout.

CURING AND PROTECTION

- Curing may be required. For specific curing details, consult the TDS of the specific MAPEI mortar or construction grout being used.

CLEANUP

- Wash hands and tools with water promptly before material hardens.

LIMITATIONS

- Before proceeding with large-scale projects or customized mortar mixes, always perform trials with a mockup to ensure that the product performance meets expectations.
- Depending on the amount used, *Mapecure SRA* reduces the final compressive strengths of a repair mortar by 5% to 6%.
- Protect the installation from excessive heat and/or wind.
- Test all surface treatments on a small sample area, before application, to ensure that the desired results will be achieved.
- Honor all expansion and control joints, cutting them as soon as the installation is cured hard enough to walk on without damaging the surface.
- Although *Mapecure SRA* is compatible with most water-reducing and high-range water-reducing admixtures, it is always recommended to conduct trial mixes to confirm compatibility of the mixture's components.

Shelf Life and Application Properties

before mixing

Shelf life	1 year in original, unopened packaging stored in a dry, covered place at 54°F (12°C) minimum
Physical state	Liquid
Color	Transparent
Specific gravity	0.91
Application temperature range	45°F to 95°F (7°C to 35°C)
Additive amount	0.25% to 0.5% of weight of the MAPEI mortar/grout; see chart below for example

Recommended Product Amounts

For a 80-lb. (36.3-kg) bag of mortar		
	Mapecure SRA at 0.25% of mortar weight	Mapecure SRA at 0.5% of mortar weight
<i>Mapecure SRA per bag</i>	3.37 U.S. oz. (99.7 mL)	6.75 U.S. oz. (200 mL)
<i>Per 5 U.S. gals. (18.9 L) of Mapecure SRA</i>	Treats 189 bags	Treats 94 bags
<i>Per 1 U.S. gal. (3.79 L) of Mapecure SRA</i>	Treats 37 bags	Treats 18 bags

For a 65-lb. (29.5-kg) bag of mortar		
	Mapecure SRA at 0.25% of mortar weight	Mapecure SRA at 0.5% of mortar weight
<i>Mapecure SRA per bag</i>	2.74 U.S. oz. (81.0 mL)	5.48 U.S. oz. (162 mL)
<i>Per 5 U.S. gals. (18.9 L) of Mapecure SRA</i>	Treats 233 bags	Treats 116 bags
<i>Per 1 U.S. gal. (3.79 L) of Mapecure SRA</i>	Treats 46 bags	Treats 23 bags

For a 55-lb. (24.9-kg) bag of mortar		
	Mapecure SRA at 0.25% of mortar weight	Mapecure SRA at 0.5% of mortar weight
<i>Mapecure SRA per bag</i>	2.32 U.S. oz. (68.6 mL)	4.64 U.S. oz. (137 mL)
<i>Per 5 U.S. gals. (18.9 L) of Mapecure SRA</i>	Treats 275 bags	Treats 137 bags
<i>Per 1 U.S. gal. (3.79 L) of Mapecure SRA</i>	Treats 55 bags	Treats 27 bags

For a 50-lb. (22.7-kg) bag of mortar		
	Mapecure SRA at 0.25% of mortar weight	Mapecure SRA at 0.5% of mortar weight
<i>Mapecure SRA per bag</i>	2.11 U.S. oz. (62.4 mL)	4.22 U.S. oz. (125 mL)
<i>Per 5 U.S. gals. (18.9 L) of Mapecure SRA</i>	Treats 303 bags	Treats 151 bags
<i>Per 1 U.S. gal. (3.79 L) of Mapecure SRA</i>	Treats 60 bags	Treats 30 bags



CSI Division Classification

Additives and Admixtures

03 06 00

Packaging

Size

Pail: 5 U.S. gals. (18.9 L)

Drum: 55 U.S. gals. (208 L)

ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT INFORMATION

MAPEI Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

Technical Services

U.S. and Puerto Rico:
Flooring: 1-800-992-6273
Concrete and heavy construction: 1-888-365-0614
Canada:
1-800-361-9309

Customer Service

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

Edition Date: October 18, 2023 MK 3000797 (23-2228)

For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.

All Rights Reserved. © 2023 MAPEI Corporation.

