

MasterLife SRA 200

Shrinkage-Reducing Admixture

Material Description

MasterLife SRA 200 is an innovative liquid chemical admixture that is specifically formulated to reduce drying shrinkage. Compared to normal concretes, **MasterLife SRA 200** provides enhanced performance through a significant reduction in shrinkage strain and a reduced number of harmful cracks. **MasterLife SRA 200** meets AS 1478 Type SN and chloride free.

Areas of Application

MasterLife SRA 200 is recommended for use in ready-mixed or precast concrete structures requiring shrinkage reduction and long-term durability, including:

- Slabs, parking structures, bridge decks, pavements, water-retaining structures, etc
- Wet-mix shotcrete
- Mortars and grouts

Characteristics and Benefits

- Reduces drying shrinkage for fresh and hardened properties of concrete
- Reduces the number of harmful cracks
- Enhances watertightness in water-retaining structures
- Increases concrete durability and service life
- Reduces joint maintenance costs in concrete slabs
- Permits increase in joint spacing

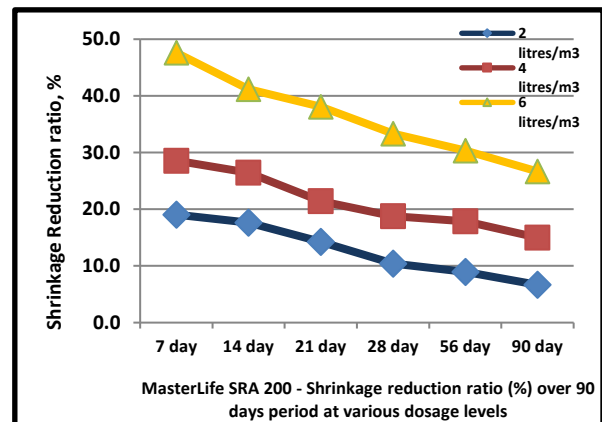
Properties

Aspect	Clear to opaque **
Relative Density	0.98 ± 0.02
pH	7.5 ± 1.0
Chloride Content	No added chlorides

Drying Shrinkage

MasterLife SRA 200 reduces the drying shrinkage of concrete relative to a plain reference mixture as measured by the AS 1012.13 test method.

As shown in the figure, concrete treated with **MasterLife SRA 200** showed reduction in drying shrinkage is from 20% to 50% at 7 days and 10% to 30% at 90 days, depending upon dosage.



Dosage

The recommended dosage range of **MasterLife SRA 200** is 2.0 to 6.0 L/m³, depending on the specific application. However, dosages outside of this range may be required depending on the level of shrinkage reduction. A reduction of mix water content equivalent to the dosage of **MasterLife SRA 200** admixture utilized is recommended.

Compatibility

MasterLife SRA 200 is compatible with all Master Builders Solutions water-reducers, mid-range water-reducers, high-range water-reducers, set retarders, and accelerators.

MasterLife SRA 200 should be added separately to the concrete mixture to ensure desired results.

Odour

A slight odour may be noticed when **MasterLife SRA 200** is used in concrete placed in confined areas. This non-harmful odour is an aromatic indication that the admixture is in the concrete.

MasterLife SRA 200

Shrinkage-Reducing Admixture

Packaging

MasterLife SRA 200 is available in bulk, 1000 litre IBC's, 205 litre drums, 20 litre cubes.

Storage & Shelf Life

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing.

Protect from direct sunlight. Protect from temperatures below: 5 °C The packed product is destroyed at low temperatures or by frost. Protect from temperatures above: 45 °C The packed product will be damaged by high temperatures.

MasterLife SRA 200 has a shelf life of 12 months.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

Disclaimer

MasterLife-SRA200-ANZ-V8-0723

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MB Solutions Australia Pty Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a specific application.

MB Solutions Australia Pty Ltd

ABN 69 634 934 419
Unit 102, 2 Burbank Place
Norwest NSW 2153
Freecall: 1300 227 300
www.master-builders-solutions.com/en-au

MB Solutions New Zealand Ltd

45C William Pickering Drive
Albany, Auckland
New Zealand
Phone: +64 9 414 7233

Emergency Advice:

1300 954 583 within Australia (24hr)
0800 001 607 within New Zealand

