

# OPTOMIX SRA

## Shrinkage Reduction Admixture

### Description

**Optomix SRA** is a ready to use liquid admixture specifically designed to reduce drying shrinkage, curling, dimensional stability and the potential for subsequent cracking in concrete and mortar. **Optomix SRA** acts directly on the shrinkage causing mechanism at the time of the cement hydration whilst reducing capillary tension of pore water in the concrete voids. This action substantially reduces the drying shrinkage associated with concrete. **Optomix SRA** does not contain added chlorides and will not promote the corrosion of steel.

### Applications

**Optomix SRA** is particularly suitable for large scale concrete floors where shrinkage needs to be minimised.

### Benefits in Concrete

- Improved aesthetics
- Good workability retention
- Reductions in early shrinkage
- Reduced cracking
- Thinner sections
- Extended joint spacings

### Properties

Nature	Liquid
Colour	Light Amber
Specific Gravity	1.012 g/cm <sup>3</sup>
pH	7.0
Chloride Content	<0.10%
Na <sub>2</sub> O equivalent	<1.00%

### Addition Rates

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

500 mls - 2000 mls per 100 kg cement  
(0.50% - 2.00% by weight of cement)

### Standards

**Optomix SRA** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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### Compatibility

**Optomix SRA** is compatible with all types of EN 197 cement systems.

**Optomix SRA** should not be pre-mixed with other admixtures and should be batched separately.

### Storage

**Optomix SRA** should be stored undercover and protected from extreme temperatures, if stored unopened within the range 5°C and 30°C the product will have a minimum shelf life of 12 months.

### Handling

Please refer to the **Optomix SRA** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

### Packaging

200 litre drums, 1000 litre IBCs and bulk deliveries.

### Notes

**Optomix SRA** should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Optomix SRA** at temperatures below 5°C may form small crystals, but do not affect the properties.

**Optomix SRA** can be used after thawing slowly at room temperature followed by intensive remixing.

Please consult the OSCRETE Technical Department for advice on admixture selection.

OSCRETE is a division of Christeyns UK Ltd.  
Rutland Street  
Bradford  
West Yorkshire  
BD4 7EA  
United Kingdom

Telephone: +44 (0)1274 393286

Fax: +44 (0)1274 309143

e-mail: [info@oscrete.co.uk](mailto:info@oscrete.co.uk)

Website: [www.oscrete.co.uk](http://www.oscrete.co.uk)

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