

OPTOMIX SRA

Shrinkage Reduction Admixture

PRODUCT DESCRIPTION

Optomix SRA is a ready to use liquid based 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

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

PROPERTIES

Nature:	Liquid
Appearance:	Light Amber
Specific Gravity: (20°C)	1.04 g/cm ³
pH:	7.00
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.00

ADDITION RATES

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

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

It is recommended that trials be carried out on the proposed material package to ensure the correct dosage is used.

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 EN197 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 between the range 5°C to 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.

Refer to the Material Safety Data Sheet for full details.

PACKAGING

200 litre drums, 1000 litre IBC's 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 performance of the product. **Optomix SRA** can be used after thawing slowly at room temperature followed by intensive re-mixing.

Please consult the OSCRETE technical department for advice on admixture selection.

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Disclaimer

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