KingMix® 50SR

Shrinkage reducing admixture.

DESCRIPTION

KingMix 50SR is formulated from selected polymers specially designed to resist drying shrinkage of concrete.

APPLICATIONS

- All kinds of cementitious materials.
- Flooring concrete.
- Bridges and dwellings.

ADVANTAGES

- Reduces alkali content.
- Reduces the risk of cracking.
- Increases adhesion.
- Does not impact the water/cement ratio.
- Used with air entrained concrete.

COMPATIBILITY

KingMix 50SR is compatible with other admixtures on the market. Compared to competing shrinkage reducing agents, KingMix 50SR is compatible with the new generation of comb-polymers.

METHOD OF USE

KingMix 50SR should be added to the concrete with the mixing water to achieve optimum performance.

Automatic dispenser should be used to dispense the correct quantity of KingMix 50SR to the concrete mix.

Drying Shrinkage Control with KingMix 50SR

DOSAGE

Depending on the application, the dosage of KingMix 50SR varies from 0.5 to 2.0% of the cement and pozzolana content. For production of a normal flooring concrete, the recommended dosage is approximately 1.0%. Optimum effect is obtained when KingMix 50SR is added together with the mixing water.

CLEANING

KingMix 50SR can be washed with fresh cold water.

PACKAGING

KingMix 50SR is available in 25 litres pails, 210 litres drums and 1000 litres bulks supply.

TECHNICAL PROPERTIES

@ 25°C

Appearance:	Clear, yellowish liquid
Density at 20°C:	1.080 – 1.110 kg/dm³
Active matter:	Min 98%
Equivalent Na_2O:	< 1%
Chloride content:	< 0.05%
pH:	5-8
Active component:	Cycloaliphatic ether alcohol
Freezing point:	0°C
Side effect of dosing:	None
Side effect of Overdosing:	Set retardation

STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.

® = Registered trademark of the KingKrete-Group in many countries.

KingMix® 50SR

Shrinkage reducing admixture.

Ref: KK-01107-MEA-R01 | Issue: 01.2026

STATEMENT OF RESPONSIBILITY	The technical information and application advice given in this KingKrete Inc. 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.
NOTE	Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet