



KingForm® 50SR

Water based surface retarding compound for concrete.

DESCRIPTION

KingForm 50SR is a single component ready for use, water based concrete surface retarder. KingForm 50SR is especially formulated to have an excellent face up (i.e. positive) retardation effect on newly poured concrete elements to provide a decorative exposed aggregate finishes.

APPLICATIONS

KingForm 50SR is used to produce an exposed aggregate concrete finish and to produce mechanically good construction joint. KingForm 50SR is ideally designed for use in face up concrete elements (i.e. positive effect) in the following applications:

- ☐ Concrete floor at parks, terrace and walkways where anti-skid characteristics are needed.
- ☐ Constriction joints.
- ☐ Pre-casted concrete elements where positive retardation effect is needed.

ADVANTAGES

- ☐ Single component, easy to apply.
- ☐ Suitable for all types of concrete elements and strengths.
- ☐ Provides a rough and uniform surface to improve mechanical bond for keyway joints.
- ☐ Provides an excellent anti-skid (anti-slip) floor finish.
- ☐ Cost effective solution comparing to traditional sandblasting or green cutting.

METHOD OF USE

Before application, KingForm 50SR must be stirred well. Don- Tard P should be applied immediately after the concrete has been spread and smoothed and whilst the concrete is still wet.

Apply KingForm 50SR evenly at 0.15 - 0.20 litre/m² using airless spray machine or by brush. Leave the concrete surface to set for a minimum of 12 hours before washing the surface with clean water, the retarded portion of concrete surface layer is easily removed by water.

KingForm 50SR is available in different grades that can yield different penetration depths depending on the maximum aggregate size in the concrete mix. Consult KINGKRETE's Sales Department for more details.

TECHNICAL PROPERTIES

Colour:	Available in different colours
Specific gravity:	1.07 ± 0.05
Typical coverage:	0.15 - 0.20 litre/m ²
Water washing time:	12 - 48 hours
Flammability:	nonflammable

NOTE:

Application of KingForm 50SR for the face up applications should not begin until the concrete is free from surface water, and should not commence at all if bleed water is apparent on the concrete surface.

PACKAGING

KingForm 50SR is available in 1, 5 and 18 litre buckets.

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.



KingForm® 50SR

Water based surface retarding compound for concrete.

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.

Ref: KK-02008-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.

KingKrete Middle East
Qatar – Syria
www.kingkrete.com

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

