

# KingForm<sup>®</sup> 200SR

Water based surface retarding gel for concrete.

## DESCRIPTION

KingForm 200SR is a ready for use, water based. Single component, concrete gel surface retarder.

## APPLICATIONS

KingForm 200SR is used to produce an exposed aggregate concrete finish and to produce mechanically good construction joint. KingForm 200SR is ideally designed for use in either face up or face down concrete elements in the following applications:

- ☐ All types of cast in situ concrete elements.
- ☐ Pre-cast concrete elements.
- ☐ Construction and Contraction joints.

## ADVANTAGES

- ☐ Single component, easy to apply; can be brush-able and spray-able.
- ☐ Suitable for all types of concrete elements, shapes and strengths.
- ☐ No independent release agent required.
- ☐ Can be used for both face up and face down applications.

## METHOD OF USE

### Surface Preparation

Formwork must be non-porous and cleaned of surface deposits, rust, concrete, oil or other materials. Porous timber and formwork should be coated with suitable polyurethane sealer.

### Application

- ☐ KingForm 200SR should be mixed well before use by suitable mechanical mixer.
- ☐ KingForm 200SR can be applied using brush, spray or roller at a rate of 0.1 - 0.2 litre/m<sup>2</sup>/coat. One coat is normally needed.
- ☐ To obtain face down finish, KingForm 200SR shall be applied and left for 20 - 25 minutes to reach a complete dryness before placing concrete. However, touch dry time varies depending upon ambient temperature.
- ☐ To obtain face up applications, apply KingForm 200SR as soon as the surface bleed water has disappeared, KingForm 200SR should be spray applied at the rate of 0.15 - 0.25 litre/m<sup>2</sup>.

## TECHNICAL PROPERTIES

Appearance:	Green liquid
Specific gravity:	1.05 ± 0.05
Viscosity:	10 - 20 poise
Penetration depth:	0.5 - 8 mm @ 0.15 ltr/m <sup>2</sup> (depending on water dilution rate)

- ☐ Once the concrete shutter or moulds removed or the face up concrete surfaces reached final setting, the retarded portion of concrete surface layer is easily removed by water washing or wire brush.

### Note:

Application of KingForm 200SR 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.

### KingForm 200SR Water Dilution Rate Guide:

Dilution ratio by weight KingForm 200SR : Water	Penetration depth (mm) @ 0.15 ltr/m <sup>2</sup>
1 : 5	0.5 - 1
1 : 4	1 - 1.5
1 : 3	1.5 - 2
1 : 2	2.1 - 2.7
1 : 1	2.8 - 3.2
1 : 0 (KingForm 200SR Undiluted)	7 - 8

### Note:

The penetration depths are approximate and depend on cement grade, w/c ratio, aggregate mix and powder ratio (consult our Sales Department for further details).

## PACKAGING

KingForm 200SR is available in 1, 5 and 18 litre buckets.



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## 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 Qatar facility are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

\* Properties listed are based on laboratory-controlled tests.

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## KingKrete-Qatar/KingForm\_200SR\_02/v2/07\_18

### 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

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