KingCoat® SR

High quality general purpose water repellent impregnation based on solvent borne Silane/Siloxane.

DESCRIPTION

KingCoat SR is a ready for use, high quality single component solvent based silane/siloxane water repellent impregnation for application on vertical or steeply sloping concrete, mineral-based natural and artificial stone, cementitious substrates, mineral plasters and mineral paints.

APPLICATIONS

KingCoat SR provides excellent water repellency and protection from weathering to vertical or steeply sloping concrete, mineral-based natural and artificial stone, cementitious substrates, and mineral paints.

KingCoat SR acts as a moisture barrier and can be used for injection into walls to prevent rising damp.

ADVANTAGES

Deep penetration into substrate.

Excellent reduction of water and chloride intrusion.

Excellent resistance to alkalis and UV light.

Absorbed by the substrate, does not form film and hence does not change or stain the substrate.

Increases considerably freeze thaw resistance.

Minimizes efflorescence.

Breathable, allows for water vapour release.

Excellent resistance to dust and dirt pick-up.

METHOD OF USE

SURFACE PREPARATION

Surface must be clean, sound and free from oil, grease, curing compound, or any contamination. Any contaminants should be removed by light grit blasting. Water jet is then used as the end step of substrate cleaning.

Note: Avoid the use of acidic or alkaline chemical detergents and cationic surfactants. If detergents are used for cleaning, it is necessary to rinse well the cleaned surface by water in order to remove any detergent residue.

APPLICATION

It is recommended to apply two consecutive coats of KingCoat SR at the stated rate of application, or one flood coat. Impregnation can be carried out using airless spray machine, brush, or roller.

TECHNICAL PROPERTIES

@ 25°C

Specific gravity:	0.81 ± 0.02
Viscosity: (Brookfield, N_1S_{20})	< 5 cP
Rapid chloride permeability: ASTM C1202	Very low
ISAT: BS 1881, Part 208:1996 (replaces BS 1881, Part 5:1970)	< 0.005 ml/m²/sec, after 10 min
Reduction in water absorption: ASTM C642	≥ 85%
VOC: ASTM D2369	< 700 g/ltr

NOTES:

- Before applying KingCoat SR be sure to cover non-absorbent surfaces properly (windows, aluminum frames, etc.). KingCoat SR cures fast and will be extremely difficult, to remove after a few hours.
- KingCoat SR should not be applied when rain is forecasted within 24 hours. Wait at least 24 hours after rain or water cleaning.
- Be sure that impregnated surfaces by KingCoat SR are not exposed to water and rain for at least 5 hours after application.
- DO NOT USE DETERGENTS for cleaning impregnated surfaces by KingCoat SR, washing occurs only by water.

CURING

The water repellent properties fully develop in approximately 72 hours @ 25°C.

CLEANING

Tools and equipment can be cleaned with KINGKRETE-solvent when wet. Hardened materials must be cleaned mechanically.

PACKAGING

KingCoat SR is available in 20 litre pails and 200 litre drums.

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COVERAGE

0.1 - 0.4 litre/m² depends on the porosity of the substrate.

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.

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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
www.kingkrete.com

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