

# KingSeal<sup>®</sup> SA500

## Universal silicone sealant

### DESCRIPTION

KingSeal SA500 is a universal one-part Acetoxy Cure Silicone Sealant, which cures rapidly on exposure to moisture vapour to form a resilient elastic silicone rubber.

### APPLICATIONS

Recommended for use in sanitary applications, sealing wall joints formed in ceramic tiles in bathrooms and kitchens and perimeter joints formed around PVCU frames. KingSeal SA500 is mildew resistant.

### STANDARDS

KingSeal SA500 complies with BS EN ISO11600 F/G 20 LM.

### METHOD OF USE

#### Joint Preparation

The joint surfaces must be clean, dry and free from all contamination. Primers may be required on some substrates.

#### Joint Backing

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

### APPLICATION

KingSeal SA500 is supplied in cartridges and can be applied into the joint using caulk gun.

All joint preparation, priming, and sealant application should be carried out in accordance with BS8000 Part 16, the British Standard for the sealing of joints in buildings using sealants.

### PACKAGING

24 x 280 ml plastic cartridges. Polyethylene nozzles are included in each box.

### TECHNICAL PROPERTIES @ 25° C, 50% RH:

Consistency:	Soft paste
Elongation:	> 250%
Density:	0.95 ± 0.05
Tensile strength:	> 1 MPa
UV resistance:	Very good
Skinning time:	20 mins. @20°C
Shore A hardness:	20 ± 5
Service temperature:	-40 - 100°C
Application temperature:	5 - 40°C
Chemical resistance:	Resistant to most alkalis and dilute acids. Organic solvents may cause the sealant to swell and lose adhesion, but do not directly dissolve the sealant
Service life:	+25 years
Curing rate:	2 mm/24 hr
Colour:	White, black & translucent

### SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per Ltr
6 x 6	27.75
9 x 6	18.50
12 x 9	9.25
18 x 10	5.55
25 x 10	4.0

### PRECAUTIONS

KingSeal SA500 is not recommended on porous substrates such as concrete and stone. Also it is not recommended to be used on bituminous substrates or substrates based on natural rubber and EPDM.

Based upon acetoxy curing system, KingSeal SA500 can corrode mirror, silver, copper, brass and lead. Finally it is not recommended to be used in submerged joints.



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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/KingSeal\_SA500\_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.

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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.

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