

KingSeal[®] SA100

Universal silicone sealant

DESCRIPTION

KingSeal SA100 is a universal one-part acetoxy cure silicone sealant, which cures rapidly on exposure to moisture 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, perimeter joints around uPVC frames as well as general industrial sealing.

ADVANTAGES

- ☞ UV resistant.
- ☞ Mould resistance.
- ☞ Non-sag sealant.
- ☞ Easy to apply, one component sealant.
- ☞ Long service life with stable colour.
- ☞ Remains flexible at wide temperature range.
- ☞ Excellent adhesion strength to non-porous substrates such as aluminum, glass, ceramic etc.
- ☞ Does not induce bacterial growth.

STANDARDS

KingSeal SA100 complies with:

- ☞ BS EN ISO 11600 F25 LM.
- ☞ ASTM C920, Type S, Grade NS, Class 25, Use G, A, O and NT.

METHOD OF USE

Joint Preparation

The joint surfaces must be clean, dry and free from all contamination. Primers may be required on some substrates. It is recommended to use masking tape on each side of the joint to maintain clean and uniform joint sides.

Joint Backing

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

TECHNICAL PROPERTIES @ 25^o C, 50% RH:

Consistency:	Soft paste
Tensile strength:	> 1 MPa
Elongation:	> 350%
Specific resistance:	0.98 ± 0.05
UV resistance:	Very good
Skimming time:	15 min
Shore A hardness:	20 ± 5
Service temperature:	-40 up to 100°C
Application temperature:	5 to 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:	1 - 2 mm/24 hr
Colour:	White, black & translucent
VOC:	< 110 g/ltr

APPLICATION

KingSeal SA100 is supplied in cartridges and can be applied into the joint using caulk gun.

Apply KingSeal SA100 into the joint starting from the bottom, ensure that the joint is completely filled. Tool the surface of the sealant within 15 minutes of the application using a spatula or suitable smoothing liquid.

This will provide a smooth finish and will ensure good contact between the sealant and the substrate. Remove the masking tape directly after tooling the sealant.

PACKAGING

KingSeal SA100 is available in 280 ml cartridges. Polyethylene nozzles are included in each box.

KingSeal® SA100

SEALANT QUANTITY ESTIMATOR

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

LIMITATIONS

- ⊠ Not recommended on porous substrates such as concrete, stone and marble.
- ⊠ Not recommended to be used on bituminous substrates or substrates based on natural rubber and EPDM.
- ⊠ KingSeal SA100 can corrode mirror, silver, copper, brass and lead.
- ⊠ Not recommended to be used in submerged joints.

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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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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