

KingSeal[®] AG100

General purpose acrylic sealant with mould resistance

DESCRIPTION

KingSeal AG100 is a one-part, general purpose acrylic sealant which can be used internally or externally. It cures on exposure to the atmosphere to form a flexible sealant. KingSeal AG100 does not need primer when applied to concrete stone, marble and aluminum surfaces.

APPLICATIONS

KingSeal AG100 is used for sealing joints in the building industry in many applications such as:

- 🔧 Concrete, wood, anodized aluminum, blockwork, marble and natural stone.
- 🔧 Around windows and door frames.
- 🔧 Cladding panels.
- 🔧 Galvanized metal sheets.
- 🔧 Ducts.

Also it can be used as an adhesive to fix light weight building materials (Adhesion test is recommended before use).

ADVANTAGES

- 🔧 Single component ready for use.
- 🔧 10% movement accommodation factor.
- 🔧 UV resistant.
- 🔧 Excellent mould resistance.
- 🔧 Excellent adhesion to most building substrates.
- 🔧 Can be painted.
- 🔧 Available in a wide range of colours.

STANDARDS

KingSeal AG100 complies with ASTM C834, Type OP, Grade NF.

METHOD OF USE

Joint Surface Preparation

Surfaces must be clean, dry and free from dust, grease, oils and all other contaminants.

Joint Backing

Where applicable, appropriate joint backing rod such as closed cell polyethylene foam, should be used to provide the correct joint depth.

Application

KingSeal AG100 is supplied in cartridges and can be applied into the joint using a skeleton Gun.

TECHNICAL PROPERTIES

Movement accommodation:	10%
UV resistance:	Excellent
Sag resistance:	Excellent
Service temperature:	-5 to 60°C
Application temperature:	10 to 50°C
Elongation: ASTM D412	> 200%
Curing rate:	3 mm/day @ 20°C
VOC:	< 50 g/ltr

Cut off cartridge top, cut nozzle to required size, attach the nozzle to the cartridge. Extrude the sealant firmly against the joint surfaces to ensure complete contact.

Tool the sealant into the joint to compact and achieve a good surface finish. Tool within 10 minutes after sealant is applied.

It is recommended to use masking tape on each side of the joint to maintain clean and uniform joint sides. Remove the masking tape directly after tooling the sealant.

REMARKS

KingSeal AG100 is not recommended for joints subjected to limited movements or for joints subjected to water splashing.

CLEANING

Uncured sealant can be removed using clean water, cured sealant should be removed mechanically.

PACKAGING

KingSeal AG100 is available in 600 ml cartridges.

SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per 450 g cartridge
3 x 5	20.65
5 x 5	12.40
10 x 5	4.10
10 x 10	3.10
20 x 10	1.55
20 x 20	0.77
25 x 12	1.03

KingSeal® AG100

JOINT SIZE SUITABILITY

Joint width*:

- ☐ 3 mm minimum.
- ☐ 25 mm maximum.

Joint depth:

- ☐ Half the joint width.

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.

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