

# KingSeal® AG50

General purpose acrylic sealant

## DESCRIPTION

KingSeal AG50 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 AG50 does not need primer when applied to ducts, concrete stone, marble and aluminum surfaces.

## APPLICATIONS

KingSeal AG50 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 and ducts.

## ADVANTAGES

- ☒ Single component ready for use.
- ☒ 10% movement accommodation factor.
- ☒ UV resistant.
- ☒ Excellent adhesion to most building substrates.
- ☒ Available in a range of colours.

## 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 AG50 is supplied in cartridges and can be applied into the joint using a skeleton Gun. 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.

## TECHNICAL PROPERTIES

Specific gravity:	1.55 ± 0.05
Movement accommodation:	10%
UV resistance:	Excellent
Sag resistance:	Excellent
Service temperature:	-5 to 60°C
Application temperature:	10 to 50°C
Curing rate:	2 mm/day @ 20°C

## REMARKS

KingSeal AG50 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 AG50 is available in 450 g cartridges.

## SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per 450 g cartridge
3 x 5	20.00
5 x 5	12.00
10 x 5	5.00
10 x 10	2.70
20 x 10	1.35
20 x 20	0.50

## 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.



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## 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.

