

KingSeal® SN100

Neutral cure silicone sealant

DESCRIPTION

KingSeal SN100 is a one-part Low Modulus Neutral Cure Silicone Sealant, which cures on exposure to moisture vapour to form an elastic silicone rubber.

APPLICATIONS

Recommended for use in many forms of construction including glass wall assemblies, perimeter seals on curtain walling, perimeter sealing of polyester powder coated frames and glazing of windows in swimming pool buildings. KingSeal SN100 is fungicide.

STANDARDS

KingSeal SN100 complies with BS EN ISO11600 F/G 20 LM, BS5889, Type A:1989 and BS6920, Part 1:1990.

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 SN100 is supplied in cartridges and can be applied into the joint using a skeleton gun. Cut-off the cartridge top then the 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 5 minutes from the application of the sealant.

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

TECHNICAL PROPERTIES

Consistency:	Soft paste
Elongation: ASTM D412	> 400%
Specific gravity: Transparent Coloured	1.00 ± 0.05 1.25 ± 0.05
UV resistance:	Very good
Skinning time:	15 ± 5 min
Shore A hardness: ASTM D2240	20 ± 5
Tensile strength: ASTM D412	1.0 ± 0.1 MPa
Service temperature:	-20 up to 80°C
Application temperature:	5 to 50°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 - 3 mm/day
Colours:	White, black, grey, mahogany, translucent & anthracite
VOC:	< 30 g/ltr

PACKAGING

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

SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per Litre
6 x 6	27.75
9 x 6	18.50
12 x 9	9.25
18 x 10	5.55
25 x 10	4.00



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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 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.

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STATEMENT OF RESPONSIBILITY

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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.

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