

KingSeal® SN200

One component neutral cure high modulus elastomeric silicone weatherproof sealant with mould resistance

DESCRIPTION

KingSeal SN200 is a one-part neutral cure, high modulus, non-sag, elastomeric joint sealant which can be used internally and externally. KingSeal SN200 cures on exposure to atmosphere to form a firm but flexible rubber.

KingSeal SN200 does not need primer when applied on non porous surfaces including solid concrete, aluminum or glass. Based on full cure, KingSeal SN200 can be used under submerged conditions.

APPLICATIONS

Recommended for sealing expansion and construction joints, internally and externally. It is used for sealing joints in buildings and industrial structures for:

- ☞ Joints between concrete, wood, metals and anodized aluminum.
- ☞ Floors joints.
- ☞ Wall joints.
- ☞ Wall to floor and wall to ceiling joints.
- ☞ Precast panels.
- ☞ Curtain walls.
- ☞ In contact with water or submerged conditions.
- ☞ External applications that require enduring changing weather conditions.

ADVANTAGES

- ☞ Single component ready for use.
- ☞ 25% movement accommodation factor.
- ☞ UV resistant.
- ☞ Excellent sagging and weathering characteristics.
- ☞ Excellent mould resistance.
- ☞ Excellent adhesion to most building substrates.
- ☞ Available in a range of colours.

STANDARDS

KingSeal SN200 complies with ISO 11600 F-25HM specifications. ASTM C920, Type S, Grade NS, Class 25, Use T, NT, I, M, G, A and O.

METHOD OF USE

Joint Surface Preparation

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

TECHNICAL PROPERTIES @ 25°C, 50% RH:

Specific gravity:	1.4 ± 0.1
Shore A hardness:	40 ± 5
Movement accommodation:	50% for lap joints 25% for butt joints
UV resistance:	Excellent
Sag resistance:	Excellent
Service temperature:	-20 up to 80°C
Application temperature:	-5 to 40°C
Curing rate:	2 - 3 mm/day
Skin-over time:	15 - 30 min
Tensile strength: ASTM D412	≥ 1.1 MPa
Elongation: ASTM D412	≥ 300%
VOC:	< 15 g/ltr

Joint Backing

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

Application

KingSeal SN200 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 5 minutes after sealant is applied.

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

LIMITATIONS

Product is not approved for use when surface is:

- ☞ Temperatures exceed 50°C.
- ☞ Temperatures below -5°C.
- ☞ Frost-laden.
- ☞ Wet.

CLEANING

Uncured sealant can be removed using KINGKRETE Solvent, cured sealant should be removed mechanically.

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PACKAGING

KingSeal SN200 is available in 280 ml cartridges and 600 ml sausages.

SEALANT QUANTITY ESTIMATOR

Joint size mm	Meters per 280 ml cartridge
3 x 5	18.67
5 x 5	11.20
10 x 5	5.10
10 x 10	2.80
20 x 10	1.40
20 x 20	0.70
25 x 12	0.93
25 x 25	0.45
30 x 15	0.62
30 x 25	0.37
40 x 20	0.35
40 x 25	0.28
50 x 25	0.22

JOINT SIZE SUITABILITY

Joint width*:

- ☞ 3 mm minimum.
- ☞ 50 mm maximum (with multiple applications).

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 manufacturing facilities 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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SN200-R3-2601

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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