

KingSeal[®] CS100

EPDM and Neoprene Joint Membranes and Seals.

DESCRIPTION

KingSeal CS100 is a range of joint membranes and seals specifically designed for demanding applications in expansion joints. The range is made of premium quality EPDM and optional neoprene (Chlorinated Rubber) sections.

APPLICATIONS

- 📏 Parking Structures Joints.
- 📏 Floor to floor and floor to wall joints.
- 📏 Roof and open space joints.

ADVANTAGES

- 📏 Waterproof.
- 📏 Available in a number of sizes to fit requirements.
- 📏 Corrugations and perforations for mechanical fixation.
- 📏 High movement accommodation.
- 📏 Absorbs impact loads.

METHOD OF USE

Concrete surfaces shall be fully cured and free from all contaminants and weak material. Recesses shall be prepared at a 10 cm width and 1.5 cm height along the joint. Prepared recesses need to be mechanically abraded to remove any laitence or contaminants.

Position KingSeal CS100 over the joint, optionally prime the joint edges with KingPrimer CS using a brush. Compress the bottom of the seal to insert it into the joint then use KINGKRETE insertion tool to push the seal firmly into the joint in a manner where the seal flaps are laying flat on the recess.

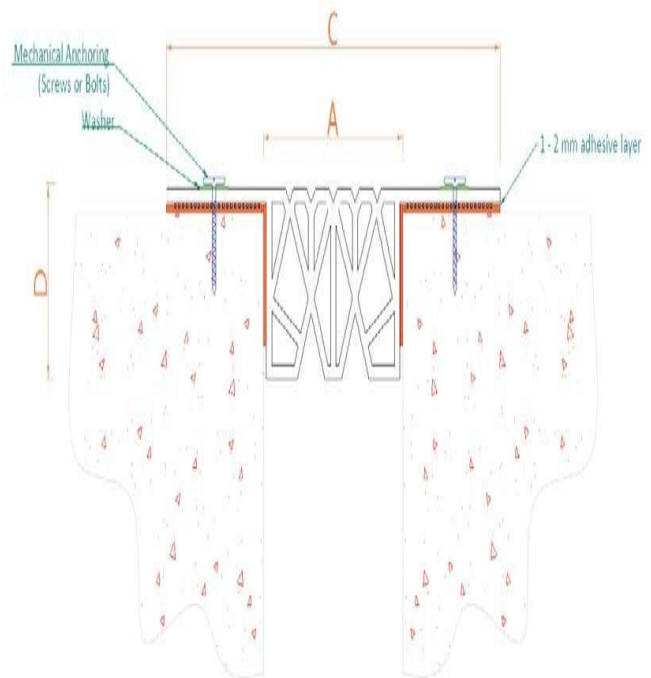
Apply a masking tape on the recess edges. Apply KingInject ETS as per separate datasheet instructions, once applied and finished remove the masking tape and allow to cure.

In case of floor to wall slab, seal flaps need to be fixed mechanically using screws on a bed of a single component polyurethane sealant and adhesive such as KingSeal PU140.

Please refer to KINGKRETE technical department for a detailed Method statement of application.

TECHNICAL PROPERTIES

| | |
|---|------------------------|
| Hardness: ISO 7619 | 70 - 75 |
| Specific gravity: ISO 2781 | 1.18 ± 0.05 |
| Tensile strength: ISO 37 | 100 kg/cm ² |
| Elongation at break: ISO 37 | 300 % |
| Compression set: ISO 815 (24 hr @ 100°C) | 35 % |



CLEANING

KingSeal CS100 can be cleaned using an industrial grade solvent such as Xylene or MEK. KingInject ETS and KingSeal PU140 are cleaned from tools by Xylene.

PACKAGING

KingSeal CS100 are preformed and cut to length as per the maximum limits allowed by transport and UN specifications.

KingSeal® CS100

MOVEMENT TABLE

| Model No. | Installation Width | | Joint Opening "A" | | |
|-----------|--------------------|----------|-------------------|----------|-------|
| | Min (mm) | Max (mm) | Min (mm) | Max (mm) | Total |
| CS301 | 25 | 51 | 19 | 57 | 38 |
| CS302 | 44 | 70 | 32 | 96 | 44 |
| CS303 | 54 | 95 | 38 | 102 | 65 |
| CS304 | 67 | 121 | 44 | 127 | 83 |
| CS305 | 76 | 146 | 51 | 152 | 102 |

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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KingKrete-Qatar/KingSeal_CS100_02/v2/07_18

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.