KingSeal ® EPU200

Two component, Epoxy-urethane self-levelling sealant.

DESCRIPTION

KingSeal EPU200 is a two-component 100% solids sealant, designed to withstand industrial loads and traffic with 10% movement accommodation factor.

KingSeal EPU200 is a chemical curing sealant with self- levelling properties giving it ideal characteristics for ease of applications in large joints.

APPLICATIONS

- Joints exposed to heavy loads and traffic.
- Joints in factories and warehouses.
- Control joints with low movement.
- Saw cut joints.

ADVANTAGES

- Withstands heavy industrial traffic.
- Excellent chemical resistance.
- Easily poured and self-levelling properties.
- Available in a range of colours.
- Suitable for wide joints.

METHOD OF USE

Substrate Preparation

Concrete must be even, clean, dry, free from dust, oil, grease and any other contaminates that could affect the bond. It is recommended to clean the concrete with a metal brush and to dust it off using an air blower. To achieve a clean joint finish, apply masking tape on the sides of the joint.

Priming

KingSeal EPU200 doesn't require any primer procedure. If the joint will be submerged in water, KingFloor Primer should be used prior to the application of the sealant.

Joint Backing

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

Mixing

To insure proper mixing, mechanically powered mixer or drill fitted with suitable paddle should be used. The components of KingSeal EPU200 should be thoroughly missed at low speeds of 300 rpm for 3 minutes while scraping the sides and bottom of the container making sure that all the components are mixed well.

TECHNICAL PROPERTIES

Colour:	Various
Specific gravity:	1.30 ± 0.05
Movement accommodation factor:	10%
Shore A hardness:	80 ± 5
Application temperature:	10 - 35°C
Tack-free time:	12 hr
Pot life:	45 min @ 25°C
Full cure:	4 days @ 25°C
Elongation at break: ASTM D2240	> 130% @ 28 days
Tensile strength at break: ASTM D2240	1.9 MPa

Application

Mixed KingSeal EPU200 can be poured directly into the joint or can be placed using a sealant gun. The sealant should be extruded firmly into the joint while applying even pressure on the trigger when using a sealant gun. Avoid entrapping of air bubbles while applying, leave the sealant to settle in the joint and top up the level when needed.

LIMITATIONS

- KingSeal EPU200 should be applied after at least 28 days from the concrete pouring and preferably after 90 days.
- KingSeal EPU200 should only be used for horizontal joints.
- Do not apply KingSeal EPU200 in external applications.

CLEANING

All equipment should be cleaned immediately after the application using KINGKRETE solvent. Hardened sealants can be removed mechanically.

PACKAGING

KingSeal EPU200 is available in a 4 litre pack.

CONSUMPTION IN JOINTS

KingSeal ® EPU200

Joint size mm	Meters per Package
6 x 6	110
12 x 12	26
25 x 12	12
30 x 15	8
50 x 25	2

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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KingKrete Middle East
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