KingSeal® HA200

Elastomeric high performance hot applied fuel resistant pavement joint sealant.

DESCRIPTION

KingSeal HA200 is a single component, hot applied, fuel and oil resistant sealant designed for use in all types of concrete pavement joints.

APPLICATIONS

- For sealing all types of joints in airport runways and aprons.
- For sealing all types of joints in car parks, and traffic decks.
- For sealing of all types of joints in warehouses, oil terminals, docks and harbours.

ADVANTAGES

- Suitable for all climate conditions, weathering UV resistant.
- Fuel and oil resistant.
- Excellent Movement accommodation in butt joints.
- Pourable and self-leveling.
- Good chemical resistant to wide range of mild alkalis, diluted acids and solvents.
- Outstanding resistance to petrol, oil and jet-fuel spillage.
- Maintains resilience and elastomeric properties even at sub-zero temperatures.
- Does not flow, bubble or blister at high ambient temperatures.

STANDARDS

- ASTM D3569-95, D3406-95, D7116-05.
- US Federal Spec. SS-S-1614, 167b, 1401b, 1614.
- BS 2499 : 1993 Type F1.

METHOD OF USE

Substrate Preparation

All surfaces should be clean of dirt, laitance, foreign matters and curing compounds. After cleaning, to control and maintain the required joint depth, heat resistant backer rod of an appropriate size should be placed in the joint to the required depth. Care should be taken not to puncture the backing rod during installation as punctures in the backing rod might create bubbling.

PRIMING

No independent primer is required.

TECHNICAL PROPERTIES

Appearance:	Thick fluid
Solid content:	100%
Colour:	Shiny black
Chemical type:	Pitch/PVC
Movement accommodation factor:	25% for butt joints
Specific gravity:	1.30 ± 0.05
Service temperature:	-20 to 70°C
Water resistance:	Excellent
Weather resistance:	Excellent

Melting

KingSeal HA200 should be melted in a special double-boiler, oil-jacketed melter equipped with agitator and control thermometer.

The material should be heated to a minimum temperature of 150oC and should not exceed 190oC with a maximum 6 hours safe heating period.

PLACING AND FINISHING

Extrude sealant into the prepared joint. The hot sealant should be slightly recessed to a minimum 3mm below pavement surface.

CLEANING

All equipment should be cleaned immediately after finishing. Extruding equipment should be cleaned thoroughly using special flush oil.

PACKAGING

KingSeal HA200 is available in 17 litre packs (22.1 kg) and 200 litre containers (260 kg).

JOINT SIZE SUITABILITY

Joint width*:

- 40 mm (maximum in trafficked areas).
- 10 mm (minimum).

Joint depth:

- 12 mm minimum.
- 25 mm maximum.

SEALANT QUANTITIY ESTIMATOR

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Joint size mm	Meters per litre
10 x 10	10.00
13 x 13	5.91
15 x 15	4.44
20 x 10	5.00
20 x 20	2.50
25 x 12	3.33
25 x 25	1.60
30 x 15	2.22
30 x 30	1.11

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.
® = Registered trademark of the KingKrete-Group in many countries.

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Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet