

KingSports® AC100

Water based acrylic sport courts coating.

DESCRIPTION

KingSports AC100 is a single component water based, high performance elastomeric acrylic coating specially designed for tennis and netball courts with the necessary player and substrate interaction characteristics.

KingSports AC100 is suitable for application on asphalt or portland cement concrete courts. KingSports AC100 is available in variety of colours and ideally suited for internal and external applications.

APPLICATIONS

KingSports AC100 coating is designed for use in all purpose sports facility, indoor and outdoor sports courts for a wide variety of different activities and sports such as Tennis, Netball, Padel, Badminton, Basketball and Multi-sport courts.

ADVANTAGES

- ☑ Single component, easy to apply.
- ☑ Available in different colours.
- ☑ UV stable and resistant.
- ☑ Elastomeric.
- ☑ Non slip.
- ☑ Environmentally friendly.
- ☑ Easily cleaned.

METHOD OF USE

SURFACE PREPARATION

Asphalt substrates:

New asphalt must be allowed to cure and oxidise until its black and glossy surface turns grey and matt before applying the coating.

The time it takes for oxidation will vary depending on the nature of the surface and the ambient temperatures and humidity. Generally, it will take up to 3 weeks in summer and may take up to three months in winter.

The surface must be clean, dry and free from dust, oil, grease and any contaminations that could affect the adhesion. All loose grit and other debris must be removed by vacuuming, blowing or sweeping prior to the application of KingSports AC100.

TECHNICAL PROPERTIES

Colour:	Various
Density:	1.35 ± 0.05 g/cm ³
Solid Content:	57 ± 2%
Tensile Strength: ASTM D412	1.5 Mpa @ 7 days
Overcoating Time:	4 - 6 hr
Bond Strength on Concrete: ASTM D4541	2.8 MPa @ 7 days (substrate failure)
Elongation: ASTM D412	> 125% @ 1 mm thickness
Taber Abrasion Resistance: (1000 g, 100 cycle) ASTM D4060, weight loss CS17 wheel	50 milligram
Slip Resistance: Dry Wet	73 60
VOC:	< 50 g/ltr

The above data was developed under controlled laboratory conditions. Properties in the field may vary. Expect some variations from these results, depending on jobsite and test conditions.

Concrete Substrates:

Surfaces to receive KingSports AC100 should be clean, sound, and free from oil, grease, dirt, debris and loose particles. Substrate should be dry, with no standing water.

Spalled surfaces, cracks and defected concrete should be repaired. New concrete substrate should be at least 28 days old.

APPLICATION

KingSports AC100 can be applied by brush, roll, or airless spray machine. For spray application, nozzle should be suitable for coating that have a maximum particle size of 100 micron.

The first coat of KingSports AC100 should be applied at the rate of 6 - 8 m²/litre and allowed to cure for 4 - 6 hours (depending on the ambient temperature) before being overcoated with the second coat.

The second and third coat should be applied perpendicular to the previous coat at the same rate above, and allowed to cure.

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NOTES:

- ⓘ KingSports AC100 should not be applied at ambient temperatures below 5°C and dropping.
- ⓘ KingSports AC100 should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- ⓘ For old asphalt or concrete substrates, please contact KINGKRETE Technical Department for specific substrate preparation recommendations.

CLEANING

All tools should be washed and cleaned immediately after use with clean water.

PACKAGING

KingSports AC100 is available in 20 litres pail.

COVERAGE

Approximately 6 - 8 m²/ litre per coat to achieve 50 – 65 micron dry film thickness per coat.

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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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.