

KingProof® A100

Elastomeric acrylic waterproof coating for roofs.

DESCRIPTION

A KingProof A100 is an acrylic based highly flexible, high performance elastomeric, waterproof coating for roofs and walls.

KingProof A100 is suitable for application on various construction substrates such as concrete, masonry, plaster and terrazzo tiles.

KingProof A100 is available in variety of colours and ideally suited for external applications.

APPLICATIONS

KingProof A100 is designed for use as:

- ☐ Waterproof coating for sloped roofs and vertical walls.
- ☐ Waterproof coating over existing terrazzo tiles.
- ☐ Waterproof and protective coating over roof polyurethane foam.
- ☐ Waterproofing and protection over bituminous waterproofing membranes and coatings.

ADVANTAGES

- ☐ Elastomeric.
- ☐ Single component, easy to apply.
- ☐ Available in different colours.
- ☐ UV stable and resistant.
- ☐ Will not support fungus growth.
- ☐ Easy maintenance.

METHOD OF USE

Surface Preparation

Surfaces to receive KingProof A100 should be clean, sound, and free from oil, grease, dirt 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 14 days old.

Application

KingProof A100 can be applied by brush, roll, or airless spray machine. Porous surfaces should be primed with KingProof A100 primer at the rate of 5 m²/litre and allowed to dry before applying the first coat.

TECHNICAL PROPERTIES @ 25°C

| | |
|-----------------------------------|---|
| Appearance | Thick liquid |
| Colour | White, Grey, Beige (Various) |
| Overcoating Time | Minimum 4 hr |
| Solid Content | |
| By Weight | 60 ± 2% |
| By Volume | 50 ± 2% |
| Specific Gravity | 1.25 ± 0.05 |
| Permeability to water: EN 1062-3 | < 0.1 kg/m ² .h ^{0.5} |
| Adhesion Strength ASTM D4541 | ≥ 1.5 MPa @ 7 days |
| Tensile Strength ASTM D412, Die C | ≥ 1.3 MPa @ 7 days |
| Elongation: ASTM D412 | > 350% @ 2 mm dry thickness |
| Minimum application temperature | 5°C |
| VOC | < 50 g/ltr |

The first coat of KingProof A100 should be applied at the rate of 2.5 m²/litre and allowed to cure for 4 - 12 hours (depending in the ambient temperature) before being overcoated with the second coat.

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

For heavy pedestrian traffic, it is recommended to use fibreglass scrim reinforcement, embedded firmly in the second coat while wet, and a third coat should be applied.

Note: KingProof A100 should not be applied at ambient temperatures below 5°C and dropping. KingProof A100 should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.

CLEANING

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



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PACKAGING

KingProof A100 is available in 16 litres (20 kg), 18 litres (22.5 kg) and 120 litres (150 kg) packs. KingProof A100 Primer is available in 5 litres (5 kg) and 25 litres (25 kg) packs.

COVERAGE

Approximately 0.40 litre/m² per coat (0.50 kg/m²) to achieve 200 micron dry film thickness.

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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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.