KingProof® BF250

Fiber reinforced water based rubberized bitumen coating.

DESCRIPTION

KingProof BF250 is a dark brown emulsified bitumen liquid reinforced with cellulose fiber and rubber formulated from selected raw materials to form a flexible water proofing and protective coating for concrete and masonry.

APPLICATIONS

KingProof BF250 provides a water proofing and protective coating for:

- Retaining walls.
- Shaded or tiled roofs.
- Underground concrete basements, walls and foundations.
- Wet floor areas such as bathrooms and kitchens.

ADVANTAGES

- Flexible.
- Resists attack by chloride and sulphate ions present in ground water.
- Single component.
- Applied by brush which make it easy to use.
- Economical.
- Solvent free, non flammable.
- Asbestos free.
- Does not rot.

STANDARDS

KingProof BF250 complies with:

- ASTM D1227-95, Type II, Class 2.
- ASTM C309 as a curing compound when applied in two coats at a rate of 4 m²/litre per coat.
- ASTM D3747, Type I and II.

METHOD OF USE

TECHNICAL PROPERTIES

@ 25°C

Form:	Thixotropic liquid
Density:	1 ± 0.02 g/cm³
Over coating time:	3 hr @ 25°C 2 hr @ 35°C
Dry time: (for thickness < 0.4 mm):	2 - 3 hr @ 25°C 1 - 2 hr @ 35°C
Residue by evaporation: (Solid content) ASTM D2939	54 ± 2%
Firm set: ASTM D2939	Pass (< 24 hr)
Resistance to water: ASTM D2939	Pass
Resistance to heat: ASTM D2939	Pass
Flexibility: ASTM D2939	Pass
Freezing resistance: ASTM D2939	Pass
Adhesion strength on concrete: ASTM D4541	≥ 1.0 MPa @ 14 days
Application temperature:	5 to 45°C
Service temperature:	−20 to 60°C
Chemical resistance:	Resists to all water based salts, mild alkaline and acid solutions, detergents and most common aqueous minerals.
VOC:	< 40 g/ltr

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SURFACE PREPARATION

Surface preparation is very important to get the highest performance of KingProof BF250. Any surface to be coated must be clean, sound and free of oil or grease. Any oil or grease contamination should be removed with a chemical degreaser.

All holes should be filled with a suitable cementitious mortar before application of KingProof BF250.

Primer Coat

There is generally no need for primer coat. Dusty surfaces should be primed with a coat of KingProof BF250, diluted with an equal quantity of cool, clean water and allowed to dry.

Note: drying time is affected by applied thickness, temperature of substrate and wind conditions.

APPLICATION

It is recommended that two coats of KingProof BF250 be applied. The second coat should be applied at a right angle to the first coat. Allow a minimum of 3 hours between coats. Stir well before use. KingProof BF250 may be applied by brush, broom or squeegee.

COVERAGE

Coverage rate depends on surface roughness and the method of application.

- 3 - 5 m²/litre/coat, as protective coating.
- 1 - 1.5 m²/litre/coat, as waterproof coating.

CLEANING

Tools and equipment can be cleaned with water when still wet. Dried KingProof BF250 may be removed with KINGKRETE Solvent.

PACKAGING

KingProof BF250 is available in 18 and 200 litre drums.

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.

KingKrete Middle East
www.kingkrete.com

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