

# KingProof® B400

## Water based elastomeric high build latex rubberized bitumen coating

### DESCRIPTION

KingProof B400 is a dark brown emulsified bitumen liquid reinforced with latex rubber, formulated from selected raw materials to form a high build elastomeric waterproof and protective coating for concrete and masonry.

### APPLICATIONS

KingProof B400 provides a waterproofing and protective coating for:

- ☐ Retaining walls.
- ☐ Shaded or tiled roofs.
- ☐ Underground concrete foundations.
- ☐ Wet floor areas such as bathrooms and kitchens.
- ☐ Where minor live cracks may occur in concrete substrates, KingProof B400 will bridge such minor cracks.
- ☐ Basement walls.
- ☐ Concrete slabs.
- ☐ Suitable for use as curing compound for fresh concrete.
- ☐ KingProof B400 can be used as protective coating for normal and galvanized steel plates.

### ADVANTAGES

- ☐ Elastomeric will bridge minor cracks which may occur in concrete substrates.
- ☐ Resists attack by chloride and sulphate ions present in ground water.
- ☐ Single component.
- ☐ Easily applied by brush, roller, broom or squeegee.
- ☐ Economical.
- ☐ Solvent free, non flammable.
- ☐ Asbestos free.
- ☐ Rot resistant.

### STANDARDS

- ☐ KingProof B400 complies with ASTM D1227, Type III, Class 1.
- ☐ KingProof B400 complies with ASTM C309 as a curing compound when applied with two coats at a rate of 4 m<sup>2</sup>/litre per coat.
- ☐ KingProof B400 complies with ASTM D3747, Type I and II.

### METHOD OF USE

#### Surface Preparation

Surface preparation is very important to get the highest performance of KingProof B400.

### TECHNICAL PROPERTIES @ 25°C

|                                       |                               |
|---------------------------------------|-------------------------------|
| Form:                                 | Liquid                        |
| Density:                              | 1.00 ± 0.02 g/cm <sup>3</sup> |
| Solid content:                        | ≥ 50%                         |
| Dry time:                             | 3 - 5 hr                      |
| Application temperature:              | 5 to 45°C                     |
| Tear strength:<br>ASTM D624           | > 1.5 kN/m                    |
| Tensile strength:<br>ASTM D412        | ≥ 0.15 MPa                    |
| Bond strength:<br>ASTM D4541          | ≥ 1.0 MPa                     |
| Resistance to heat:<br>ASTM D2939     | Pass                          |
| Freezing resistance:<br>ASTM D2939    | Pass                          |
| Water vapour permeance:<br>ASTM D3747 | ≤ 2 ng/Pa.s.m <sup>2</sup>    |
| VOC:                                  | < 40 g/ltr                    |

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 B400.

#### Primer Coat

There is generally no need for primer coat. Dusty surfaces should be primed with a coat of KingProof B400, diluted with an equal quantity of cool, clean water and allowed to dry.

### APPLICATION

It is recommended that two coats of KingProof B400 be applied. The second coat should be applied at a right angle to the first coat.

Allow a minimum of 3 hours between the coats so that each coat is allowed to dry before applying the next coat. KingProof B400 may be applied by brush, roller, broom or squeegee.

Note: Surfaces coated with KingProof B400 should not be exposed to rainwater or ponding water for a minimum of 72 hours after application.

### COVERAGE

# KingProof<sup>®</sup> B400

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

- ☞ 3 - 5 m<sup>2</sup>/litre per coat, as protective coating.
- ☞ 1 - 1.5 m<sup>2</sup>/litre per coat, as water proof coating giving a dry film thickness of 500 microns per coat. Two coats recommended.

## CLEANING

Tools and equipment can be cleaned with water when still wet.

Dried KingProof B400 may be removed with KINGKRETE Solvent.

## PACKAGING

KingProof B400 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.

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.

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

## HEALTH AND SAFETY

**KK-ME-03.1-PF-B400-R3-2601**

### 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.