

# SpEC Bitprufe No. 3

BITUMEN EMULSION WATERPROOF COATING

## DESCRIPTION

**SpEC Bitprufe No. 3** is a cold applied bitumen emulsion supplied as a viscous liquid for waterproofing to substructure and superstructure areas in buildings and civil engineering projects.

## TYPICAL USES

**SpEC Bitprufe No. 3** is used where a tough and seamless waterproof coating is needed, such as:

- Concrete and brick foundations, retaining walls and bridge abutments
- Floors of bathrooms, kitchens and other wet areas where multiple pipe entries may render the use of sheet membranes difficult.
- Facades where a vapour / salt barrier behind cladding or curtain walls is required

## ADVANTAGES

- Excellent adhesion to most building substrates
- Resistant to chlorides, sulphates and other ground and airborne salts
- Efficient curing membrane to newly placed concrete
- Non-hazardous
- Cost effective

## TECHNICAL DATA

<b>Colour</b>	Brown, dries to black
<b>Solids content</b>	60%
<b>Drying time</b>	2-3 hours @35 °C
<b>Recoat time</b>	4-6 hours @35 °C

## APPLICATION

### Surface preparation

Surfaces onto which the membrane is to be applied must be sound and clean. Dust, loose materials and protrusions must be removed and cracks, holes, etc made good.

**SpEC Bitprufe No. 3** may be applied to damp surfaces such as green concrete providing there is no standing water. Cementitious surfaces must be dampened with clean cold water to facilitate application.

### Priming

Porous surfaces must be primed with a coat of a diluted mixture consisting of equal parts **SpEC Bitprufe No. 3** and clean water. Metal surfaces must be dry and primed with a solvent based primer such as **SpEC Black Bitumen Paint**.

### Application

The drums must be well stirred before use. Where a single drum is used for prolonged periods, occasional stirring during application is recommended. If a primer coat is applied, allow it to dry completely before applying subsequent coats.

Apply evenly and in one direction using a stiff brush. A two-coat application is recommended to avoid possible holidays in the film. Each coat must be allowed to dry before applying the next one.

In wet areas, where a key to subsequent layers (e.g. screed, tile bedding, etc.) is required, blind the fresh top layer with clean sharp sand.

Do not apply **SpEC Bitprufe No. 3** to external areas in wet weather or when rain is expected.

## EQUIPMENT CLEANING

**SpEC Bitprufe No. 3** may be removed from tools and equipment with water when wet. On drying, **SpEC Bitprufe No. 3** maybe removed with **SpECTite Cleaning Fluid**, white spirit or kerosene.

## APPLICATION TEMPERATURE RANGE

5 °C to 45 °C

## PACKAGING & YIELD

**SpEC Bitprufe No. 3** is supplied in 20 litre pails and 200 litre drums with an average coverage rate of 2m<sup>2</sup>/litre per coat, which gives a typical dry film thickness (DFT) of 600microns.

**SpEC Black Bitumen Paint** is supplied in 20 litre pails and 200 litre drums. It is applied at a rate of 5 to 6m<sup>2</sup>/litre.

## STORAGE & SHELF LIFE

Store **SpEC Bitprufe No. 3** in sealed containers under shade, between 5 °C and 45 °C. Reseal partly used containers tightly after each use.

**SpEC Bitprufe No. 3** has a shelf life of 12 months when stored under favorable conditions.

## HEALTH & SAFETY

**Skin Contact** Use gloves or barrier creams when using the material. Clean hands and skin using hand cleaners, followed by washing with soap and water. Do not use solvents.

**Eye Contact** Wash with copious amounts of clean water and seek immediate medical treatment.

**Inhalation** Move the affected person away to fresh air. If discomfort continues, seek medical advice.

**Ingestion** Do not induce vomiting. Give copious amounts of water to drink and seek immediate medical advice.

**Spillage** Check the containers periodically for signs of leakage. Recant and discard damaged drums. Spilled material must be removed immediately using an inert, absorbent medium such as sand, and discarded in a safe place.

## FLAMMABILITY

**SpEC Bitprufe No. 3** is not flammable. **SpEC Black Bitumen Paint** and **SpECTite Cleaning Fluid** are flammable. Keep away from open fire, sparks and other ignition sources.

## FLASHPOINT

<b>SpEC Black Bitumen Paint</b>	32 °C
<b>SpECTite Cleaning Fluid</b>	34 °C

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