

# SpEC Bitprufe 1000

HIGH BUILD POLYMER MODIFIED ELASTOMERIC BITUMEN MEMBRANE

## DESCRIPTION

**SpEC Bitprufe 1000** is a liquid applied, high performance bituminous solution modified with synthetic polymers, which when applied dries to form a tough, elastomeric membrane.

## TYPICAL USES

**SpEC Bitprufe 1000** is used where a tough, flexible and seamless waterproofing membrane is needed, such as:

- Waterproofing and protection of concrete structures above and below ground in buildings and civil engineering works
- 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
- Flat and pitched roofs, balconies, terraces, etc.
- Recoating old and porous bituminous roof surfaces

## ADVANTAGES

- Excellent adhesion to most building substrates
- High build - provides 1.5mm to 2mm DFT in 2 coats
- Bridges non-structural cracks.
- Efficient curing membrane to newly placed concrete
- Excellent temperature resistance - suitable for hot climates

## RELEVANT STANDARDS

**SpEC Bitprufe 1000** conforms to the following standards:

- BS 8102 Protection of structures against water from the ground
- BS 3690 Bitumens for building and civil engineering
- ASTM D1227
- ASTM D2939

## TECHNICAL DATA

<b>Colour</b>	Dark brown, dries to black
<b>Drying time</b>	2-3 hours @ 35 °C
<b>Full cure</b>	24-48 hours
<b>Service Temperature</b>	0-60 °C
<b>Elongation</b>	1000%
<b>Solids content</b>	60%

## 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.

Porous substrates should be pre-wetted with clean water (remove standing water).

### Priming

For maximum adhesion on vertical application and to metal substrates, use one coat of **SpEC Black Bitumen Paint** as a primer at the rate of 5 m<sup>2</sup>/litre and allow to dry before coating with **SpEC Bitprufe 1000**.

### Application

The drums must be well stirred before use. Where a single drum is used for prolonged periods, occasional stirring during application is recommended.

### Waterproofing and Wet Areas:

Apply 2 coats of **SpEC Bitprufe 1000** by brush or roller each at 1.25 lit/m<sup>2</sup> to achieve a 1.5mm DFT, allowing 24-48 hours between coats. On floors continue the application up the walls to a minimum height of 150 mm or link with the damp proof course.

Where **SpEC Bitprufe 1000** is overlaid with screed or tiling adhesive, blind the final coat with clean sharp sand passing a 3 mm sieve to provide a good key.

#### **Vapour/Salt Barrier:**

Apply 2 coats of **SpEC Bitprufe 1000** by brush or roller each at 1 litre/m<sup>2</sup> to achieve a 1.2mm DFT, allowing 24-48 hours between coats. On masonry, all joints must be finished flush and the first coat should fill all the surface pores.

#### **Roof Coating:**

Apply 2 coats of **SpEC Bitprufe 1000** by brush or roller each at 1.25 litre/m<sup>2</sup> coat to achieve a 1.5 mm DFT, allowing 24-48 hours between coats. When used over old sheet membranes, reinforce the membrane overlaps with a 300 mm wide strip of glass cloth between first and second coats. Bed the fibre glass cloth into the first coat while still wet and overcoat with the second after drying.

#### **Protection:**

On exterior surfaces applied coatings must be protected from prolonged exposure by **SpECTite Protection Boards** or the subsequent finishes. On floors care should be taken not to damage the coating while laying the protective screed or the tile adhesive. Exposed roof coatings must receive a compatible reflective paint.

#### **EQUIPMENT CLEANING**

**SpEC Bitprufe 1000** may be removed from tools and equipment with water when wet. On drying, use of **SpECTite Cleaning Fluid**, white spirit or kerosene is recommended.

#### **APPLICATION TEMPERATURE RANGE**

5°C to 40°C.

#### **PACKAGING AND YIELD**

**SpEC Bitprufe 1000** is supplied in 20 litre pails and 200 litre drums. For coverage rates refer to APPLICATION paragraph above.

#### **STORAGE AND SHELF LIFE**

Store **SpEC Bitprufe 1000** in sealed containers under shade, between 5°C and 40°C. Reseal partly used containers tightly after each use. When stored

for extended periods, the containers must be rolled periodically to reduce the risk of settlement. **SpEC Bitprufe 1000** has a shelf life of 12 months when stored under favourable conditions.

#### **HEALTH AND 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.

##### **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 1000:** Non-flammable. **SpECTite Cleaning Fluid:** Flammable; Keep away from open fire, sparks and other ignition sources.

#### **FLASH POINT**

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

**See separate data sheets for ancillary items:**

- **SpEC Black Bitumen Paint**
- **SpECTite Protection Boards**



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