



## ATLASKOTE NO 104 BITUMEN EMULSION

PDS-BE-104  
20200102  
REV:006

### DESCRIPTION

**Atlaskote No. 104 Bitumen Emulsion** is an alkaline-based and non-fibrated bitumen emulsion. It is odourless and taint free. When dry, it will not re-emulsify in water and having good waterproofing quality.

### USAGE

**Atlaskote No. 104 Bitumen Emulsion** is used as followed:

- \* General waterproof and damp-proofing for concrete and masonry structures.
- \* A bituminous primer for waterproofing membrane and other bituminous application.
- \* As a binder for cement, and or sand to provide joint filling and protective mastic.
- \* A vapour seal in the construction of cold storage rooms and similar installations, air-conditioning plans, etc.

### TECHNICAL DETAILS

#### Appearance

Wet – Dark brown

Dry – Black

#### Application Temperature Limits

Between 5°C to 50°C.

#### pH

9 – 11

#### Toxicity

Non-toxic

#### Residue by Evaporation, % weight (ASTM D2939)

Min. 45% wt.

#### Chemical and Water Resistance

Resistance to water, alcohol, most salt solutions and some dilute acids and alkalis.

Not resistance to oils, solvents and strong detergent solution.

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This information is issued as a guide to the use of Atlaskote Product(s) concerned, and whilst every effort is made to ensure the accuracy of the text which is in accordance with the latest technical developments we cannot accept responsibility for any work carried out with our materials, as we have no control over the method of application used or conditions of the site involved. It is also not to be taken as warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a licence. It is offered solely for your consideration, investigation and verification.

**Consistency**

A low viscosity liquid of brushing or spraying consistency.

**Viscosity**

**Brookfield Viscosity**, Spindle #3, rpm 10, at 25°C, 1 minute; centipoises(cps)  
**> 1000**

**Flexibility**

Provides a firm but flexible coating within the service temperature range from 5°C to 50°C.

**Shrinkage Factor**

Approximately 40 % when fully dried.

**Density at 25 °C, g/cc (Density cup 100c.c. – ASTM D1475)**

0.97 – 1.03

**Setting or Drying Time**

2 - 4 hours in normal warm and sunny weather with a wet thickness of 0.6 mm.

**Fire Resistance**

Wet : Non-inflammable.

Dry : Will burn, but no flame spread.

**Heat Flow Resistance**

The cured film will not flow or sag under direct sunlight.

**Storage Life**

Indefinitely under good storage conditions and undamaged containers. This material is subject to damage by frost or heat and should be stored at temperatures between 5°C and 40°C.

**APPLICATION**

**Atlaskote No. 104** should be applied by brush or spray.

**Surface** preparation and cleaning shall be made on the area by removing loose and friable material, protrusions by using soft broom stick or cleaning with water to remove fine dust from the surface. Oil, grease and paints or other contaminates shall be removed by using rug cloth and paint scraper respectively.

**COVERAGE**

0.3-0.6 liter /m<sup>2</sup>/coat. Higher rate of coverage is required depending on the porosity of the substrate.

**HANDLING PRECAUTIONS**

Clean hands and tools with cold water when wet and use kerosene or solvents when dry.

**PACKING**

**Atlaskote No. 104 Bitumen Emulsion** is available in 20-litre pail and 200-litre drum.

**TECHNICAL SERVICE**

Our Sales Department can assist you in the proper use of our products and you are free to consult them on any matter regarding our product.