



PDS-BE-103R
20201230
REV:012

ATLASKOTE NO 103R RUBBERISED BITUMEN EMULSION

DESCRIPTION

A water-based rubber modified bitumen thixotropic emulsion. It dries to form a black coating which is elastic, non-permeable to water and resistant to mild chemical solution and excellent weathering resistance and is odourless and taint free.

USAGE

Atlaskote No. 103R Rubber Bitumen Emulsion is used as followed:

- * Roof waterproofing, basement tanking, floor and wall damp-proofing.
- * As a binder for sand or aggregate mixes to provide flexible protective mastic or pavement.

TECHNICAL DETAILS

Appearance

Wet – dark brown

Dry – Black

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.

Consistency

A non-drip thixotropic paste of brushing consistency.

Cone Penetration @ 25 °C, dmm (ASTM D217)

300-380

Flexibility

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

Flash Point

NO FLASH POINT. Atlaskote No 103R is a water-based material.

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.

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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.

Setting or Drying Time

Under indoor condition at room temperature of 30°C and relative humidity of 80%, a wet thickness of 0.6 mm shall dry in 4 hours' time.

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Shrinkage Factor

Approximately 45% when fully dried

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

0.96 – 1.20

Storage Life

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

Toxicity

Non-toxic

Residue by Evaporation, % weight (ASTM D2939)

55.0 – 63.0.

Water Vapor Transmission, g/h.m² (ASTM E96, Water Method)

Approximately 0.4

Pull-off Adhesion, N/mm² (ASTM D7234)

Approximately 0.4

Tensile Strength At Peak, MPa (ASTM D412:1998)

≥ 0.20

Elongation at Break (ASTM D412:1998), %

≥ 400

APPLICATION

Atlaskote No. 103R may be applied by squeegee, brush, roller, steel trowel 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.

Application Temperature Limits

5°C to 50°C

COVERAGE

0.60 litre/m²/neat 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 103R is available in 5-litre tin, 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.