



ATLASKOTE NO 106 POLYMER BITUMEN EMULSION

PDS-BE-106
20200602
REV:004

DESCRIPTION

Atlaskote No. 106 Polymer Bitumen Emulsion is a non-toxic, alkaline and water-based, cold-applied, liquid material. It is dark brown when wet and turns to black after dried. It will not re-emulsify in water, having good waterproofing properties and adhering well to most substrate.

USAGE

Atlaskote No. 106 Polymer Bitumen Emulsion is used as followed:

- * Liquid primer for water proofing membrane.
- * General waterproof and damp-proofing for concrete and masonry structures.
- * A Bitumen Emulsion for waterproofing membrane and other bituminous application.
- * An excellent compound for joint filling and protective mastic.
- * A vapour seal in the construction of cold storage rooms and similar installations, air- conditioning plants, etc.

TECHNICAL DETAILS

pH

9 – 11

Residue by Evaporation, % weight (ASTM D2939)

> 45.0

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 liquid of brushing, rolling & spraying consistency.

Viscosity, Flow time @ 25°C (BS 3900 B4 cup), second

<150

Viscosity

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

> 400

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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.

Flexibility

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

Shrinkage Factor

Approximately 50 % when fully dried.

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

0.93 – 1.05

Setting or Drying Time

Within 2 hours in normal warm and sunny weather with a wet thickness of 0.2 mm.

Fire Resistance

Wet : Non-inflammable.

Dry : Will ignite, but no flame spread.

Heat Flow Resistance

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

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.

APPLICATION

Atlaskote No. 106 should be applied by roller, brush or spray at 0.2-0.3 lt per m² per coat. Higher rate of coverage is required depending on the porosity of the substrate.

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.

HANDLING PRECAUTIONS

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

PACKING

Atlaskote No. 106 Polymer 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.