



ATLASKOTE NO 303II BITUMINOUS SOLUTION

PDS-BS-303II
20200102
REV:003

DESCRIPTION

Atlaskote No. 303II is a solvent based, cold applied bitumen coating solution especially manufactured to meet MS 1.43:1973 (type 2) or BS 3416:1991 (type 1). Its suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water. **Atlaskote No. 303II** meets the BS 6920:2000 Part 1: Clause 5 “Test for colour units and turbidity, NTU units”, Clause 6 “Test for the mean of dissolved oxygen difference (MDOD) and Clause 8 “Test for Extraction of Metals”.

When applied by brushing, spraying or a suitable dipping process, it will provide an effective coating against corrosion and moisture penetration. The cured coating is non-toxic, odourless and tasteless, and therefore it will not cause contamination of drinking water.

USAGE

Atlaskote No. 303II Bituminous Solution is used in conjunction with supplies of drinking water, e.g. drinking water tanks, drinking water pipes and etc. as follows:

- * Dip-impregnation of cement-asbestos pipe for drinking water.
- * Internal lining of drinking water tank.
- * Anti-corrosion coating of steel and ductile iron pipe for drinking water.

TECHNICAL DETAILS

Adhesion

The coating has good adhesion to most surfaces, e.g. cement-asbestos, ferrous metals, slight etched zinc, and etc.

Coverage

Non-porous surface – recommended coverage is 11-13 m² per litre per coat (wet). Porous surface – the coverage rate must be adjusted accordingly, an additional thinned priming may be required.

Chemical and Water Resistance

Resistant to: water, dilute acids and alkalis
Not resistant to: oils and solvents.

Dilution

No thinning of **Atlaskote No. 303II** should be allowed as it is supplied ready for use.

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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.

Drying Time

The coating will dry within two hours at normal room condition.

Durability

The durability of **Atlaskote No. 303II** coating depends mainly upon (a) the thickness of the film and (b) the degree of exposure. It is important to apply **Atlaskote No. 303II** in a number of coats – as thick films give great protection than thin ones.

Flash Point

Approximately 49°C (Cleveland Open Cup)

Flexibility

This may be bend on a 1” mandrel through 180° without cracking or loss of adhesion (Method – BS 3416:1966 Appendix E-Test for Flexibility)

Gloss

The cured film is black

Heat Flow Resistance

The cured film will not flow or sag

Nonvolatile Content, %weight, (ASTM D1644, Method B):

Minimum 50.

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

0.87 – 0.93

Viscosity, flow time at 25 °C, seconds, (BS3900 Type “B” 4 Cup).

60 - 120

Storage Life

12 months under good storage conditions and in undamaged containers.

PREPARATION OF SURFACES

All dirt, dust, grease and oil should be removed by thorough cleaning and washing and any loosely adhering coating or flakes of material should be detached.

APPLICATION

At least two coats of **Atlaskote No. 303II** should be applied, the second coat following the first as soon as the latter is thoroughly dry.

The application is preferably applied by brush and work well into the surface taking care to coat thoroughly all recesses, edges, joints, intersections of members, rivet, bolt heads and nuts. However, as for cold dip-impregnation of cement-asbestos pipe **with Atlaskote No. 303II**, the dipping time should be allowed longer – the longer the dipping time, the greater the penetration of bituminous solution into the pipe surface.

HANDLING PRECAUTION

Clean hands and tools with kerosene or solvents.

PACKING

Atlaskote No. 303II is available in 5-litre tin, 20-litre pail and 210-litre drum.