



# ATLASKOTE NO 303I BITUMINOUS SOLUTION

PDS-BS-303I  
20200102  
REV:007

## DESCRIPTION

**Atlaskote No. 303I** is a black, solvent based bitumen coating solution and is intended for cold application when applied by brushing, spraying or a suitable dipping process, it will provide an effective coating for the protection of iron and steel. It meets MS 160:1995 (Type 1) or BS 3416:1991 (Type 1). It is also used for the priming of concrete and other surfaces.

However, **Atlaskote No. 303I Bituminous Solution** coating is not intended to withstand conditions of high temperature such as boilers, smoke stacks, etc. for which special coatings should be obtained, nor contamination, with oils or paint solvents, all of which conditions will cause softening of the film.

## USAGE

**Atlaskote No. 303I** is used to protect surfaces against rust rather than to decorate them. Its main function is to exclude moisture or other corrosive agents. Therefore, it is important that each coat is applied in a continuous unbroken film without 'misses'.

## TECHNICAL DETAILS

### Adhesion

It has good adhesion to most surfaces commonly found in building e.g. ferrous metals, slightly etched zinc, concrete and brick.

### Chemical and Water Resistance

Resistant to water, dilute acids and alkalis.

Not resistant to oils and solvents.

### Dilution

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

### Drying Time

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

### Durability

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

The degree of exposure largely controls the rate of deterioration of the surface and provided that the film is of adequate thickness, it will continue to give long lasting protection although there may be a loss in glossiness.

### Flash Point, °C

Approximately 45

**ATLAS INDUSTRIES SDN. BERHAD** (Company No: 7767-D)

P.O Box No. 7005, Lots 12 & 14, Jalan Dawai 16/2, Industrial Estate, 40700 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: 603-55191137 Fax: 603-55105123 Email: [info@atlaskote.com](mailto:info@atlaskote.com) Website: [www.atlaskote.com](http://www.atlaskote.com)

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**

This may be bend on a 6mm mandrel through 180° without cracking or loss of adhesion (BS 3416:1991, Clause 9-AppendixB(B.5); Method – BS 3900: Part E1).

**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 at 25 °C, seconds, (BS3900 Type “B” 4 Cup)**  
40 – 105

**Volatile Organic Content, gm/Lt**  
330 ± 5

**(Comply to HONG KONG AIR POLLUTION CONTROL REGULATION, Regulated Paint Part3, Schedule 1, Item 7- Roof primers (Bituminous)).**

**Toxicity**

Non-toxic.

**PREPARATION OF SURFACES**

1. Porous surfaces – all dirt and grease should be resolved.
2. Non-porous surfaces – all dirt and dust should be resolved by thorough and any loosely adhering flakes of material should be detached.
3. Previously bitumen primed surfaces – all dirt, grease and loosely adhering coating should be removed by washing or other suitable means. Any bare patches of metal should be spot-primed with **Atlaskote No. 303I** before the general coating is applied.

**APPLICATION**

The application is preferably by brush or spray. **When use as a primer on concrete surface, one coat of Atlaskote No. 303I is suffice.** For protection of iron and steel, at least two coats of **Atlaskote No. 303I** should be applied, the second coat following the first as soon as the later is thoroughly dry.

**Coverage**

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

**HANDLING PRECAUTION**

Clean hands and tools with kerosene or solvents.

**STORAGE LIFE**

12 months under good storage conditions and in undamaged containers. This material should be stored and always kept away from naked flames.

**PACKING**

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