



ATLASKOTE NO 118PU PU BITUMEN EMULSION

PDS-BE-118PU
20220415
REV:000

DESCRIPTION

Atlaskote No. 118PU - PU Bitumen Emulsion is a solvent free, water-based, environmental friendly, liquid applied, purplish black in colour and dries to a black, elastic but very tough and durable coating. It has excellent bonding and waterproofing property after dry. It will not re-emulsify in water. Atlaskote No. 118PU can be used for both horizontal and vertical surfaces.

USAGE

Atlaskote No. 118PU – PU Bitumen Emulsion is used as followed:

- * Cold applied multi layers Roof Waterproofing Membrane,
- * General waterproof and damp-proofing for concrete and masonry structures, such as planter boxes, balconies, basements, etc.
- * As a binder for cement, and or sand to provide strong and yet flexible joint filling and protective mastic.
- * A vapour seal in the construction of cold storage rooms and similar installations, air-conditioning plants, etc.

TECHNICAL DETAILS

Residue by Evaporation (Solid Content), % weight (ASTM D2939)

Approximately 44.

Chemical and Water Resistance

Resistant to water, alcohol, most salt solutions and some dilute acids and alkalis.
Not resistant to oils, solvents and strong detergent solution.

Consistency

A thick liquid of brushing, rolling and spraying consistency.

Brookfield Viscosity, Spindle #6,

1 minute, rpm:10
> 7,000cps at 25°C

Flexibility

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

Elongation at break, % (ASTM D412:1997)

Approximately 350

Tensile Strength, MPa (ASTM D412:1997)

> 1.5

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

1.00 ± 0.15

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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

Approximately 8 hours depends on the temperature/humidity conditions and porosity of the base.

Fire Resistance

Wet : Non-inflammable.

Dry : No combustion, slight loss of charred material

Heat Flow Resistance

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

Storage Life

9 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

All surface requiring waterproofing/damp-proofing/vapour seal should be structurally sound, level, smooth, clean, free from indentation, oil, grease and other contaminants that could impair adhesion.

Atlaskote No. 118PU has good adhesion to most sound surfaces, including concrete, screed, asphalt brick, wood and metals.

PRIMING

The cleaned surface shall be primed by well scrubbing with a neat coat of **Atlaskote No. 118 Primer** at the rate of approximately 0.5 litre/m². For very porous substrate, higher rate of coverage is required.

Atlaskote No. 118PU should be applied by brush or spray at 1.5 litre/m²/coat for waterproofing of planter boxes, balconies, swimming pool, basement for a dry film thickness of approximately 0.66mm and 1.0 litre/m²/coat for waterproofing of roof, bathroom and kitchen for a dry film thickness of approximately 0.44mm. Higher rate of coverage is required depending on the porosity of the substrate. Generally, a two coats application is recommended for waterproofing purposes.

Note: When the cured film is wetted by water/rain water, water spot will occurs where the surface of cured film (under the water) appeared slightly 'brownish to greyish' . This physical phenomenon is due to the combine action of water, light reflection and refraction plus heat. When the water on the film' surface is evaporated under sunlight or by the action of wind and air, the 'brownish or greyish' spot will disappear and black surface reappear. This will not affect the quality of the dried film.

HANDLING PRECAUTIONS

Clean hands and tools with cold water when wet and use strong solvents followed by mechanical removal when dry.

PACKING

Atlaskote No. 118PU - PU Bitumen Emulsion is available in 20-Lt pail and 200-Lt 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.