

## Nuproof

### Waterproofing Coating

#### Description

Nuproof is a latex modified bitumen emulsion with in-built flexibility and excellent adhesion. It provides a tough durable film which waterproofs and protects most building surfaces.

#### Standard Compliance

ASTM D2939-03 & BS3416; 1991 for Type 1, Class A.

#### Advantages

- Excellent adhesion and low permeability.
- In-built flexibility
- Reduced susceptibility to extremes of temperature.
- Tough film resistant to rupture during back filling.

#### Applications

- Waterproof coating for bridge abutments prior to back filling.
- As a damp-proof membrane under concrete and roof screeds.
- As a damp-proof membrane for internal walls subject to rising damp.
- Repairs to cracks in blacktop surfacing and concrete.
- To waterproof and repair defective concrete and asphalt roofs.

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| Nufins, Kingston House,<br>3 Walton Road, Pattinson North, District 15,<br>Washington, Tyne & Wear. NE38 8QA<br>13<br>0086-CPD-594215 |  |
| EN1504-2<br>Surface protection system for concrete<br>Coating   |  |
| Permeability to CO <sub>2</sub>   | S <sub>D</sub> >50m                      |
| Permeability to Water Vapour  | Class 3                                  |
| Capillary Absorption and Permeability to Water  | <0.1kg/m <sup>2</sup> /hr <sup>0.5</sup> |

#### Technical Information

|                         |   |
|-------------------------|---|
| Colour                  | Black   |
| Type                    | A blend of bitumen emulsion and rubber latex. |
| Touch Dry               | 3-6 Hours                                     |
| Viscosity               | 6000 cps                                      |
| S.G. at 20°C            | 1.0   |
| Solids Content          | 50%   |
| Application Temperature | 5-35°C  |
| Coverage                | 2m <sup>2</sup> per Litre per Coat.           |
| Adhesion Strength       | Greater than cohesive strength                |
| Elongation              | >100%   |



## Surface Preparation

All surfaces should be sound and free from dust, dirt and grease. Excessively dry porous surfaces should be dampened down to assist application and maintain the correct coverage.

When applied to green concrete, Nuproof will act as a curing membrane to assist hydration of the cement.

Application should not be carried out in frosty weather or when rain is expected.

## Application Instructions

The normal method of application is to use a soft brush which should be dampened with water before use. On hot, dry or very absorbent surfaces it is suggested that the surface is dampened down or primed using a coat of Nuproof, diluted with 1 part water to 5 parts Nuproof. Nuproof should be applied in two coats at right angles to one another, the second coat being applied after the first coat has thoroughly dried.

## Crack Repairs In Blacktop Or Concrete

Fine cracks may be repaired using Nuproof neat. Cracks up to 6mm may be filled using Nuproof mixed with a fine sand in a ratio of 2:1 by volume. Large cracks over 6mm should be filled with a similar mixture plus the addition of Portland cement. Repairs should be blinded with fine sand to facilitate early trafficking. Large repairs may need topping up after 24 hours.

## Waterproofing Walls And Use As A Keying Treatment

Internal walls may be treated with Nuproof to provide a waterproof membrane and a key for subsequent plastering. Nuproof should be applied to the clean surface and allowed to dry, a second coat is then applied at right angles to the first coat and blinded with sharp sand whilst the coat is still wet. This coat should be allowed to dry for at least 24 hours before plastering.

Immediately after use all equipment should be washed in a solution of soap flakes and water (not detergent).

Brushes should be kept soaked between working periods and any excess water removed before use.

## Packaging

Nuproof is available in 5, 25 and 200 litre containers.

## Storage

Store under cover between 5-40°C. Protect from frost.

## Health & Safety

Nuproof is non-flammable but protective clothing should be worn, including gloves and goggles, to avoid skin contact. Splashes should be removed from the skin with soap and water before the material has dried.

## Limitations

Work should not proceed in wet or frosty conditions or when rain is expected. Do not apply when the temperature is below 5°C.

## Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available to provide further information and arrange demonstrations.

