

### Waterproofing Coating

#### Description

Latex modified bitumen emulsion with in-built flexibility and excellent adhesion properties. Nuproof provides a tough durable film which waterproofs and protects most building surfaces. It is designed for application as a damp-proof membrane for walls and as a waterproof coating, including bridge abutments prior to back-filling.

#### Standard Compliance


ASTM D2939-03 & BS 3416: 1991 for Type 1, Class A

#### Advantages

- Water dispersed
- Excellent adhesion & low permeability
- Highly economical & readily applied by brush
- In-built flexibility
- Reduced susceptibility to extremes of temperature
- Tough film resistant to rupture during back filling
- Complies with EN 1504 Part 2

#### Applications

- Highways bridge abutments prior to back-filling
- Damp-proof membrane under concrete & roof screeds
- Damp-proof membrane for internal walls subject to rising damp
- Waterproofing & repairing defective concrete or asphalt roofs
- Waterproofing below ground external walls
- Lift shafts & lift pits
- Repairs to cracks in blacktop surfacing & concrete
- As a de-bonding medium for concrete pours

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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 23 0086-CPR-774186	
EN1504-2 Surface protection system for concrete Coating	
Permeability to CO <sub>2</sub>	S <sub>d</sub> >50 m
Permeability to water vapour	Class III
Capillary absorption and permeability to water	<0.1kg/m <sup>2</sup> .h <sup>0.5</sup>

#### Technical Information

Colour	Black
Type	A blend of bitumen emulsion and rubber latex
Touch dry	3-6 hours
Viscosity	6000 centipoise
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

Preparation shall be such as to leave clean, sound surfaces, free from chemical contamination and be visibly dry with no standing water. Oil, grease, dirt, coatings, dust, loose particles and laitance must be removed; methods such as wire brushing, needle-gun abrasive equipment or grit-blasting, to achieve a textured surface. For optimum protection, substrates must be level.

All construction defects, including crevices, cracks or blow-holes, must be repaired or eliminated in order to achieve a continuous surface, prior to the application of the coating. Repairs of minor defect should be undertaken using a compatible mortar such as Nupatch Cosmetic.

Depending on elevation, large defects should be repaired with Nucem HB Mortar, Nucem Mortar or Nucem Concrete and allowed to cure for 24 hours.

When applied to green concrete, once the surface is of sufficient strength for bond development, Nuproof will act as a curing membrane to assist cement hydration.

## Application Instructions

Hot, dry or absorbent substrates should be dampened with clean water to assist application and maintain the correct coverage, or primed with Nuproof diluted 1:5 water to Nuproof.

Application should be undertaken with a water-dampened soft brush at the rate of 2m<sup>2</sup>/litre. The actual coverage depends on surface rugosity and porosity. Minimum recommended application is two coats, applied at right angles to each other, adhering to the over-coating intervals. Subsequent coats are applied once dry.

If there are any concerns that damage may occur to the coating during back-filling or other incidental physical damage then protection boards should be utilised.

**Repair of Cracks In Blacktop or Concrete;** fine cracks may be filled with neat Nuproof. Cracks up to 6mm may be filled using Nuproof mixed with fine sand in a ratio of 2:1 by volume.

Cracks >6mm to 20mm may be filled with fine sand and Portland cement in the ratio of 2:1:1 by volume. Fully blind repairs with fine sand to facilitate early access. Large repairs may need topping up after 24 hours.

**Waterproofing Walls & Key for Plaster;** internal walls treatment, to provide a waterproof membrane as well as a key for application of subsequent plastering. Nuproof should be applied to the cleaned surface and allowed to dry, a second coat is applied at right angles to the first and blinded with sharp sand whilst Nuproof remains wet. Allow to dry for 24 hours minimum before plastering.

Immediately after use all equipment should be washed in a solution of clean water and soap flakes (not detergent). Keep brushes steeped in water between working periods and any excess water removed before use.

## Packaging

Nuproof is available in 25 & 200 litre drums.

## Storage

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

## Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

## Limitations

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

Not designed for exposed finish treatment or where concrete will be submerged under water.

## Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

## Technical Support

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

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