

NURPROOF WB

Water Based Bitumen Emulsion

Nurproof WB is a water based bitumen emulsion. It is dark brown in colour and dries to a black flexible protective coating which also acts as a curing compound. The finished film is tough and waterproof and forms a barrier to water and vapour transmission.

PROPERTIES	VALUES	TEST STANDARDS
Form	Thick Viscous liquid	-
Color	Dark Brown	-
Density [g/cc]	1.02 ±0.02	ASTM D2939
Specific gravity @ 25°C	1.02±0.02	-
Solid Content, (%)	40±5	ASTM D2939
Firm Set (hrs)	24	ASTM D2939
Application Temp(°C)	5 - 55	-
Service TEMP(°C)	-5 - 75	-
VOC(g/l)	<50	ASTM D 3960
Flashpoint	Non-flammable	-
Flexibility	Provides a firm flexible Coating	-
Chemical resistance	Excellent to water, dilute acids, alkalis, chloride and sulphate ions	-

COMPOSITION

A blend of selected asphalts and bitumen emulsified in water.

STANDARDS

Guide to use of waterproofing, damp proofing, protecting and decorative barrier systems for concrete. Chapter 2 Section 2.1.1, 2.1.2., 2.1.3.
ASTM C309

SURFACE PREPARATION

Ensure surface to be treated is sound and free of all oil, grease or conventional curing compounds. Nurproof WB can be applied directly as a protection to concrete surfaces cured utilizing non degradable curing compounds such as Nurproof WB.

If the surface is dusty it should be primed with a coat of Nurproof WB diluted with an equal quantity of clean water and allowed to dry, before applying further coats of Nurproof WB. It can be applied to damp surfaces.

TYPICAL APPLICATIONS

- General waterproofing and damp proofing of concrete, asbestos cement, roofing felt, slate tiles, wood, etc.
- Metal protection: provides protection for structural steelwork, pipes, etc.
- Insulation: provides a vapour barrier for cold storage rooms, etc.
- Protection to a variety of buried structures such as concrete foundations and retaining walls.
- As a curing compound onto green concrete.
- As a primer for most bitumen membranes.

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COVERAGE

2-6m² per litre per coat depending on use and substrate porosity.

EQUIPMENT CARE

After use, if the Nurproof WB has not dried, it may be possible to clean tools using soapy water. If the Nurproof WB has dried remove as much as possible by physically scraping and then remove remainder with paraffin, white spirit.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. As with all bituminous emulsions, some settlement will occur with prolonged storage. It is, therefore, necessary to invert the drums monthly to disperse the settlement.

Shelf life is up to 1 year in unopened containers, when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

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