

## UNICHEM PROOF PLUS

### RUBBERIZED BITUMEN EMULSION PROTECTIVE COATING

UCA-WP-04-0722

#### DESCRIPTION

UNICHEM PROOF PLUS is a rubberized bitumen emulsion single component, high quality polymer based, high solid content, brush applied vapor permeable paint suitable for uses in roofing, damp proofing & water proofing which dries to give a tough, jointless, highly flexible, strong waterproof & protective membrane.

It is designed as a surface dressing to masonry or concrete, asphalt, metal, steelwork, & roofing felt to improve protection.

The finished vapor permeable film forms a tough barrier to which allows substrate breath.

#### USES

- ❖ Waterproofing & damp proofing of wet areas like terrace, balconies, kitchen & sunken portions of toilets.
- ❖ Can be used below or above ground level for application in concrete, masonry, metal & asphalt surfaces.
- ❖ Also used as a prime coat for all reinforced membrane isolation system.
- ❖ Used for all cladding works under marble & metal sections finishing.

#### ADVANTAGES

- Solvent free, cold applies, no heating required
- Excellent adhesion to most building substrates. Active adhesion to most construction substrates
- Single component, simple & easy to use, brush applied, fast drying, elastic, seamless & joint free

- Water based. Resist chloride ion and sulphate attacks, non-hazardous, non-flammable. Low odour, dries without generating strong vapor
- Could be applied over green concrete & damp surfaces
- Economical especially if used as a curing & damp proof agent.

#### TYPICAL PROPERTIES

PROPERTY	TYPICAL DATA
<b>PHYSICAL APPEARANCE</b>	DARK BROWN LIQUID
<b>DENSITY</b>	0.95 TO 0.99 g/cc
<b>BITUMEN CONTENT %</b>	≥48
<b>POLYMER CONTENT %</b>	≥10
<b>DRYING TIME*</b>	45 – 50 MINUTES *Actual drying times will vary due to temperature, humidity, wind and other factors
<b>CHEMICAL BASE</b>	Blend of Bitumen and Rubber
<b>PACKAGING</b>	20 & 200 kg
<b>COVERAGE</b>	Apply each coat at a rate of 0.25 to 0.50 kg/m <sup>2</sup> . Apply 2 to 3 coats with the same application rate  *The exact coverage will depend upon the porosity or smoothness of surface and application method

#### STANDARDS

UNICHEM PROOF PLUS complies with ASTM D 4479, D 70 & ASTM C 309 (Water retention requirement as a curing compound)

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### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

The surface must be clean & free of oil, grease or other foreign matters.

Porous surface must be primed using UNICHEM PROOF PLUS by diluting with clean water at 1:1 ratio ( By weight )

#### APPLICATION

UNICHEM PROOF PLUS should be stirred well before application. It can be applied by brush, roller or spray equipment. It should be allowed to dry naturally.

Two or more coats must be applied to ensure a good and durable finish. The gap between two coats must be 3 – 4 hours once previous coats have fully dried.

### CLEANING

UNICHEM PROOF PLUS can be removed from equipment & tools with water or any suitable solvent like gasoline or kerosene.

### STORAGE & SHELF LIFE

UNICHEM PROOF PLUS should be protected from extremes of temperature. Store in dry & shaded area in original packaging. The container should be kept covered during working in order to prevent evaporation.

UNICHEM PROOF PLUS has a shelf life of 12 months if kept unopened in the original packaging

### SAFETY PRECAUTIONS

Personal should use & wear protective mask, gloves & goggles during application.

Care must be taken to ensure that there is adequate ventilation. Fires & naked flames are kept away from storage & application area.

### LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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