

NIPOKOTE GRADE 5S

Bitumen Emulsion

DESCRIPTION

A stable, water-based bitumen emulsion that is dark brown in colour and dries to a black coating. Odour and taint-free.

RECOMMENDED USE

Water Dampening

When applied to specified thickness, *NipoKote Grade 5S Bitumen Emulsion* is suitable for general water dampening use in a concealed system.

Sound Dampening

NipoKote Grade 5S Bitumen Emulsion also demonstrates some property of sound/vibration deadening.

Other Areas of Use

Asphalt Concrete : *NipoKote Grade 5S Bitumen Emulsion* can be added into cement for Planter Boxes, Concrete Water Tanks (non-potable water), Wet Areas, Basements, Retaining Walls, Foundation Walls and Lift Pits.

Adhesion : The bitumen bonding property ensures good adhesion to substrate when applied; at least one of the substrate must be porous in order to achieve a good cure.

APPLICATION

Surface Preparation

Ensure surface is clean from dust, oil, rust, grease, loose materials, moss etc.

Surface should be dry for homogeneous material quality.

New concrete must be cured for at least 28 days.

Treat all expansion joints, pipe joints and down pipes with *NipoSeal Bitu Sealing Compound*.

Priming

Apply *NipoPrime* in a continuous application. Allow primer to dry. Where substrate is old and porous, prime twice. Required Drying Time : 1 to 2 hours. Required Curing Time : 24 hours

Body Coats

Mix emulsion well before use.

Apply a minimum of 4 coats by brush or spray. Do NOT dilute.

NipoKote Grade 5S Bitumen Emulsion may be applied to a damp surface although a dry substrate will yield a better result.

Allow 24 hours between coats and apply each coat at right angle to the previous coat for maximum durability and flexibility.

The coating can be reinforced with *GLASSFIBRE NETTING*

Both coatings and surface must be able to dry before the emulsion will cure to a waterproof bituminous film.

Protect from rain and frost until cured.

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Top Coat

Apply a final top coat of *NipoPruf Bituminous Elastomeric* for best results.

Notes on Application

Always protect applied materials from rain and frost until cured. Materials will be washed off when not fully cured.

Protect membrane from Puncture/Tear/Rain before/during any Backfill/Screed.

Drying and Curing Time indicated herewith is dependent on temperature and humidity. Estimates are provided.

PLEASE APPLY EACH COAT THINLY. THICK COAT EXCEEDING 750 MICRON WILL INCREASE DRYING TIME BY SEVERAL DAYS.

FOLLOW-ON

Screeding (Optional)

Follow-on screed must be at least 50 mm thick to ensure good bonding to material. Where necessary, apply a diluted coat of *NipoKote Grade 5S Bitumen Emulsion* and broadcast sand prior to screeding.

Drainage : Follow good drainage practice by creating a slope to drain a minimum of 10mm per running metre.

COVERAGE

Liquid Application : Approximately 0.8 to 1.0 kg/m² per coat

PACKING

NipoKote Grade 5S Bitumen Emulsion comes in 20L pail and 200L drum.

NOTES

Actual Measurement may vary due to the condition of the substrate. This information is only a guide.

TYPICAL PROPERTIES	
<i>Flash Point</i>	Non-flammable
<i>Drying Time</i>	Approx 2 to 4 hours to touch
<i>Chemical & Water Resistance</i>	Resistant to water, alcohol, most salt solutions, some diluted acids & alkalis.
	Non-resistant to oil, solvents, some detergent solutions
<i>Service Temperature Limits</i>	-10°C to 85°C depending on operating conditions
<i>Heat Flow Resistance</i>	The cured film will not flow or sag in service conditions
<i>Fire Resistance</i>	Wet : Non-flammable
	Dry : Will burn slowly
<i>Nett Weight per Pail</i>	Approx 20 kg or 200 kg

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