



BITUMINOUS COATS

NILOCOAT AL

Non - Fibered Aluminum Coating

DESCRIPTION

NILOCOAT AL is a cold applied asphalt base highly reflective aluminum coating. It is formulated with ductile, pliable bitumen dissolved in select petroleum solvents and blended with polished aluminum flakes.

USES

NILOCOAT AL is an excellent protective coating for Built-up-roofing, and modified bitumen membrane roofing.

It is a preservative coating over aged bituminous roofs, in maintenance and repair works.

It is also an effective protective coating over roof flashing details and over metal roofs.

MAJOR FEATURES

- Ready for use, no mixing or dilution needed.
- Highly reflective, up to 70% reflectivity of sunrays, which prolongs the service life of the roofing membranes.
- Restores old weathered existing roofs, in maintenance works, thus delaying need for re-roofing.

APPLICATION

- Thoroughly clean the surface to be coated. All dirt, dust, scale, loose coating and rust must be removed and the surface must be dry before coating.
- Material should be thoroughly stirred prior to application, and periodically during application.
- Apply with roofing brush, squeegee or airless spray equipment at the recommended coverage rates.
- Coating should be applied with all strokes in one direction to achieve color uniformity.
- Best results are achieved when applied at a temperature above 20°C, and at low relative humidity.

CLEANING

Tools : Clean with kerosene

Hands :Use a hand cleaner or kerosene followed by soap and water.

COVERAGE RATES

0.3-0.5 Kg/M2 (Depending on condition of substrate)

STANDARDS

Complies with ASTM-D-2824, Type I.

PACKING

15Kg & 200 Kg pails.

HEALTH & SAFETY INSTRUCTIONS

- Flammable when wet, Keep away from open fire, sparks or other ignition sources.
- Avoid repeated or prolonged contact with skin. To remove use a hand cleaner that removes oil and grease, then wash with soap and water.
- If in contact with eyes, flush immediately with water to avoid irritation.
- Inhalation may cause dizziness, adequate ventilation must be provided.
- Wear protective clothing, gloves, and goggles.



NILOCOAT AL

Non - Fibered Aluminum Coating

Properties		Test Method	NILOCOAT AL
Density, at 25°C., Kg/liter		ASTM-D-70	0.99 - 1.03
Viscosity @ 25°C., cps		Brookfield	300 – 600
Dry film thickness, 1 Liter//M ² , mm		-	0.3
Color, cured		-	Bright Silver
Color, wet		-	Brown
Drying time	to touch, Hr.	-	2
Drying time	through, Hr.	-	24
Adhesion to dry surfaces		-	Excellent
Reflectance, %		ASTM-D-2824	70 (min.)
Resistance to heat at 60 °C		ASTM-D-2822	No sagging or blistering
Resistance to solvent		-	Poor
Resistance to water Under drainage		-	Good
Under standing water		-	Poor
Service temperature, °C		-	-5 to 60
Non - volatile, % Wt.		ASTM-D-2824	52 – 60
Volatile, % Wt		ASTM-D-2824	40 – 48
Metallic Aluminum Content, % Wt.		ASTM-D-2824	22 (min.)
Shelf Life		-	12 Month (In factory sealed container, stored in shaded ventilated area)

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Distributor:



Nile Waterproofing Material Co. S.A.E
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BITUMINOUS COATS

NILOCOAT F

DESCRIPTION

NILOCOAT F is a heavy duty general purpose damp-proofing emulsion coating/ primer. It is clay stabilized and reinforced with non-asbestos fibers. **NILOCOAT F** is specially formulated to provide high water vapor permeability with high resistance to re-emulsification upon long term contact with water.

USES

- General Damp-proofing: Used on a wide variety of surfaces including concrete, brick, bitumen & mastic asphalt membranes, slates, tiles, lead, copper, zinc, corrugated iron and similar surfaces.
- Lining water tanks (non potable water). Applied on its own or with an open weave glass mesh.

MAJOR FEATURES

- Fibered extra flexibility
- Solvent free, odorless, comfortable working conditions, no special ventilation needed.
- High temperature stability
- High water vapor permeability to prevent blistering.

PREPARATION

- Thoroughly clean all surfaces to be coated with **NILOCOAT F** Emulsion.
 - Repair any damaged or cracked substrate.
 - Stir emulsion well before use.
 - Prepare porous surfaces by priming with **NILOCOAT F**, diluted 1:1 with water
- Allow to dry before application of coating.

Fibered Coating, Primer

APPLICATION

1. Apply at the rate of 0.5 – 0.7 kg/m² (depending on substrate condition) using a soft brush or broom to damp surfaces.
2. Application is eased by dampening before and during use.
3. Allow first coat to dry. Then apply the second coat at the same rate of 0.5 – 0.7 kg/m². Second coat is applied at right angles to the first.
4. For reinforcement and additional strength at joints, open weave glass mesh may be spread over on top of the uncured first coat and under the second coat of **NILOCOAT F**
5. Keep tools in water during use. Clean with water when wet, with white spirit when dry.
6. Protect from frost and rain until fully cured.

STORAGE

- Store **NILOCOAT F** under cover, at temperatures between 5°C and 40°C. Stored properly, a shelf life of 12 months can be expected for unopened containers. Storage must be frost free.

PACKING

15 Kg & 200 Kg Containers

HEALTH & SAFETY INSTRUCTIONS

As with all chemical products, care should be taken during use and storage.

Avoid contact with mouth, eyes, and skin.

Wear suitable protective clothing, gloves, and eye/ face protection.



NILOCOAT F

Fibred Coating, Primer

Properties	Test Method	NILOCOAT F
Residue by evaporation, %	ASTM D 2939	48 ± 2%
Ash content, %	ASTM D 2939	20 (max.)
Specific gravity	ASTM D 2939	1.01 ± 0.02
Drying time (firm set)	ASTM D 2939	Less than 24 hrs at 80% RH (± 5%) @ (27± 2) °C
Heat resistance, at 100°C	ASTM D 2939	No flow, sag or blistering
Flammability	ASTM D 2939	No tendency to flash or ignite
Flexibility at 0°C	ASTM D 2939	No cracking or flaking
Water resistance	ASTM D 2939	No blistering or re-emulsification In water
Water Vapor transmission		0.8 g/m2 24Hrs
Shelf Life	-	12 Month (in factory sealed container stored in shaded ventilated area)

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BITUMINOUS COATS

NILOCOAT R

Rubberized Damp-Proofing Coating & Adhesive

DESCRIPTION

NILOCOAT R is a rubberized bitumen damp-proofing coating /adhesive, specially formulated to provide high resistance to the passage of water vapor, and is highly resistant to re-emulsification when in long term contact with water.

NILOCOAT R bonds strongly to most substrates.

USES

- Damp-proofing of structural footings and below grade walls.
- General damp-proofing applications & as a vapor barrier.
- NILOCOAT R bonds extremely well to a wide variety of substrates including concrete, brick, bitumen & mastic asphalt membranes, slates, tiles, etc.

Thus it is used as an adhesive to bond construction materials such as wood block, compatible insulation, tiles,..etc..

MAJOR FEATURES

- Excellent damp-proofing characteristics.
- Superb adhesion
- Excellent movement capability.
- Solvent free - environment friendly.
- No re-emulsification in water.

INSTALLATION

PREPARATION:

- Thoroughly clean all surfaces to be coated with NILOCOAT R.
- Repair damaged or cracked substrate.
- Prepare porous surfaces by priming with NILOCOAT R diluted 1:1 with water.
- Allow primed surface to dry before application of coating.
- Stir well prior to application of coats.

APPLICATION:

- General damp-proofing & vapor barrier.

As a general Damp-proofing for vertical and horizontal application.

- Prepare surface as indicated earlier.
- Apply in two coats. The first at the rate of 0.6- 0.8 Kg/ m2. (depending on substrate condition) Allow to dry before applying the second coat which should be at right angle to the first, at the same rate.
- Use only as damp-proof membrane in sandwich construction. (i.e. Apply as above, blinding the wet second coat with clean, sharp sand before applying a minimum of 50mm sand cement screed surface (horizontal Application), or clean sand backfill (vertical application) .
- If NILOCOAT R is to be left exposed to sunlight for any length of time, the wet second coat must be blinded with clean sharp sand.

When used as a vapor barrier, it is essential that there are no imperfections in the coating. Any small hole will destroy the vapor seal.

- As an adhesive for insulation & tiles

- Ensure surfaces are clean, smooth, & lightly dampened.
- Allow both surfaced to be bonded with the rubberized coating at 0.6-0.8 Kg/m2 rate
- Allow to become tacky before pressing firmly together. Hold material in place until sufficient adhesive strength is developed.1

Store BITUNIL NILOCOAT R under cover, at temperatures between 5°C and 40°C. Storage must be frost free.

PACKING

15Kg and 200Kg containers.

HEALTH & SAFETY INSTRUCTIONS

As with all chemical products, care should be taken during use and storage.

Avoid contact with mouth, eyes, and skin.

Wear suitable protective clothing, gloves, and eye/ face protection.



NILOCOAT R

Rubberized Damp-Proofing Coating & Adhesive

Properties	Test Method	NILOCOAT R
Composition		Rubberized bitumen, water, emulsifying agents
Bitumen modifier	ASTM D 2939	SBR
Specific gravity	ASTM D 2939	1.05 ±0.02
Flammability		No tendency to flash of ignite
Drying time (firm set)		Less than 24 hrs at 80% RH [+5%] @ 27°C [±2°C]
Heat resistance, at 100°C		No flow, sag or blistering
Flexibility at 0°C		No cracking or flaking
Residue by evaporation, %		60 [nominal]
Water vapor transmission (g/m2/24Hrs)		0.8
Water resistance	ASTM D 2939	No blistering or re-emulsification in water
Shelf Life	-	12 Month (in factory sealed container, stored in a shaded ventilated area)

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DESCRIPTION

NILOCOAT WB is a cold applied, water based, asphaltic emulsion for damp-proofing works and for priming and preparation of surfaces to receive waterproofing membrane.

USES

NILOCOAT WB is used on concrete, brick, metal, or wooden substrates, as a damp-proofing protective coating.

It is also used as a primer to promote and improve the adhesion of subsequent bituminous waterproofing membranes to the surface.

Water Based, Bituminous Emulsion/ Primer

MAJOR FEATURES

- The product is solvent free and odorless, ideal for preparation of surfaces in closed premises.
- Allows for comfortable working conditions, no special ventilation needed.
- When used for damp-proofing, product is ready for use, no mixing or dilution needed.
- Eliminates the surface dust and achieves optimal adherence.
- Adheres even on slightly humid surfaces.

USER APPLICATION

NILOCOAT WB should be well stirred before use. It can be applied on dry or slightly humid surfaces using a brush, a roller, a squeegee, or an airless spray equipment. The substrate should be sound, clean, and free of loose particles or greasy residues. **NILOCOAT WB** is cold applied, ready for use without dilution for damp-proofing applications. It is applied in one or two coats depending on the degree of protection required, allowing a minimum of two hours between coats. When used as a primer dilute with equal quantity of cool, clean water. The primer coating must be left to completely dry before application of the waterproofing membrane.

PACKING

15 Kg & 200 Kg Containers

HEALTH & SAFETY INSTRUCTIONS

As with all chemical products, care should be taken during use and storage.

Avoid contact with mouth, eyes, and skin.

Wear suitable protective clothing, gloves, and eye/ face protection.



NILOCOAT WB

Water Based, Bituminous Emulsion/ Primer

Properties	Test Method	NILOCOAT -WB
Composition		Bitumen, water, and chemical emulsifying agents.
Color (In liquid state)		Brown
(Dried Film)		Black
Drying time on concrete (20 °C to 40 °C) Bone Dry		Approx. 2 Hrs.
Specific Gravity	ASTM-D-2939	1.05 ±0.02
Residue By Evaporation	ASTM D-2939	32 ±2 %
Tests on dry residue:		
Resistance to water	ASTM D-2939	No blistering or re-emulsification
Heat Test, 100°C		No blistering, sagging, or slipping.
Water Solubility (In liquid state)		Total
(Dried film)		Insoluble
Toxicity		Non
Flammability		No tendency to flash or ignite
Container Size		15 & 200 Kg/Pail
Coverage		200- 400 gm/m2 depending on type of substrate and its condition.
Shelf life		12 months (in factory sealed packaging and protected against weathering.)

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BITUMINOUS COATS

PRIMANIL 41

DESCRIPTION

PRIMANIL 41 is a cold applied, general purpose roofing primer formulated with highly pliable, flexible bitumen, select petroleum solvents and compounded with wetting and saturation additives.

USES

PRIMANIL 41 is suitable for concrete,, brick, metal, or wooden substrates, to promote and improve the adhesion of subsequent bituminous waterproofing membranes to the surface.

OUTSTANDING FEATURES

- Select solvent allows for optimum penetration of PRIMANIL 41 into the surface pores, pin holes and cracks.
- Absorbs the existing dust and scale thus the resulting surface permits the proper bonding of self-adhesive as well as torch able membranes, in addition to any other bituminous adhesives and coatings.

USER APPLICATION

The surface must be thoroughly cleaned, and all dust, dirt, loose coatings, oil or greasy substances removed. Concrete must be completely cured and dried prior to priming.

PRIMANIL 41 should be allowed to dry before application of waterproofing membrane.

It can be applied with a roofing brush, roller, squeegee, or airless spray equipment at the recommended coverage rate.

Bituminous Roofing Primer

COVERAGE RATE

0.3 - 0.5 Ltr/M² (0.2 - 0.4 kg/m²), depending on condition of substrate.

STANDARDS

Complies with ASTM-D-41

PACKING

15 liter pails and 200 liter drums

CLEANING

Tools : Clean with kerosene.

Hands: Use a hand cleaner or kerosene followed by soap and water.

HEALTH & SAFETY INSTRUCTIONS

- Flammable when wet, before using an open torch, all pails must be kept away at a distance of minimum 10 meters.
- Avoid repeated or prolonged contact with skin. To remove use a hand cleaner that removes oil and grease, then wash with soap and water.
- If in contact with eyes, flush immediately with water to avoid irritation.
- Inhalation may cause dizziness, adequate ventilation must be provided.
- Wear protective clothing, gloves, and goggles.



PRIMANIL 41

Bituminous Roofing Primer

Properties	Test Method	PRIMANIL 41
Density @ 25°C, Kg/liter.	ASTMD 70	0.87-0.89
Viscosity, @ 25°C, cps.	Brookfield	70-150
Say bolt Furol Viscosity @ 25°C, seconds	ASTM D88	25-125
Drying time to touch, Hrs.	-	3.5
Drying time through, Hrs.	-	24
Flash point, T.O.C.,°C	ASTM D3143	35 (min.)
Non-volatile, % wt.	ASTM D 402	45 (min.)
Volatile, %, wt.	ASTM D 402	55 (max.)
Water content	ASTM D 95	Nil
Coverage rate	-	0.3 - 0.5 Ltr/M2 (Depending on condition of substrate)
Shelf Life	-	12 Months (in factory sealed container, stored in a shaded ventilated area.)

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BITUMINOUS COATS

PRIMANIL

DESCRIPTION

PRIMANIL is a cold applied, solvent based, highly penetrative, primer formulated with selected grade of asphalt and solvents. Once solvents evaporate **PRIMANIL** forms a waterproof film that resists flow at high temperatures and brittleness at low temperatures.

USES

PRIMANIL is used on concrete, brick, metal, or wooden substrates, to promote and improve the adhesion of subsequent bituminous waterproofing membranes to the surface. It is also ideal for treatment of penetrations, relieves, external perimeters, and vertical components in preparation to receiving the waterproofing membrane.

Solvent Based, Waterproofing Primer

MAJOR FEATURES

- The selected solvents ensure optimum penetration and saturation of the substrate pores
- Ready for use, no mixing or dilution needed.
- Eliminates the surface dust and achieves optimal adherence.
- When applied over existing, aged cracked asphalt layer, it revitalizes it in preparation for repair work and maintenance.

USER APPLICATION

Primer is ready for use without dilution. It may be applied with a brush, a roller, a squeegee, or airless spray equipment, in one layer. The substrate should be clean, dry, and free of loose particles. The primer coating must be totally cured before application of the waterproofing membrane.

PACKING

15 liter pails and 200 liter drums

HEALTH & SAFETY INSTRUCTIONS

- Flammable when wet, before using an open torch, all pails must be kept away at a distance of minimum 10 meters.
- Avoid repeated or prolonged contact with skin. To remove use a hand cleaner that removes oil and grease, then wash with soap and water.
- If in contact with eyes, flush immediately with water to avoid irritation.
- Inhalation may cause dizziness, adequate ventilation must be provided.
- Wear protective clothing, gloves, and goggles.



PRIMANIL

Solvent Based, Waterproofing Primer

Properties	Test Method	PRIMANIL	
Composition		Bitumen, Petroleum solvents	
Color		Black	
Drying time on concrete at 25 C° : (To touch)		6 Hrs.	
(through dry)		24 Hrs.	(Depending on application Conditions and temperature)
Specific Gravity	ASTM-D-70	0.80- 0.95 Kg/Lit	
Viscosity @ 25 C°	ASTM D-2669	20 ± 2/4ml	
Total solids content (%)	ASTM D-402	50- 60 %	
Volatiles content (%)		40-50 %	
Container Size		15 & 200 Lit/Pail	
Coverage		0.5- 0.6 Litre/m2 (depending on type of substrate and its condition)	
Shelf life		12 months (in factory sealed container, stored in a shaded ventilated area)	

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