
NURAPLY 3PM TECHNICAL DATA SHEET

DESCRIPTION AND AREAS OF USE

Waterproofing membrane consisting of non-woven polyester coated with plastomer bitumen. With slate layer in either Charcoal, Slate, White, Red or Green.

FINISHING

- Top surfaced finished with a mechanically rolled slate layer (colour red) offering excellent bonding with PP film on the 8 cm overlap.
- Underside finished with a thermofusible film

APPLICATION

- Cap sheet in multi layer waterproofing system

COMPOSITION

- Reinforcement: non-woven polyester
- Coating mass: plastomer bitumen, consisting of ± 70 % bitumen and ± 30 % atactic polypropylene (APP).

TECHNICAL SPECIFICATIONS (average values)

- Tensile strength (EN 12311-1)
 - longitudinal : 650 N
 - transversal : 500 N
- Elongation at break (EN 12311-1)
 - longitudinal : 40 %
 - transversal : 40 %
- Resistance to heat (EN 1110): $> 140^{\circ}\text{C}$
- Low temperature flexibility (EN 1109): -8°C
- Dimensional stability (EN 1107-1): $\leq 0,5$ %

DIMENSIONS

- Thickness : 4 mm
- Length :7.5 m
- Width :1 m
- Surface :7.5 m²
- Average weight :43 kg
- Colour :Charcoal, Slate, White, Red or Green

FIXING

Torching method with asphalt burner.

SAFETY, STORAGE & HANDLING INFORMATION

- Do not pile pallets
- Store indoors

TRANSPORT CLASSIFICATION

N/A

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

NURAPLY 3PV TECHNICAL DATA SHEET

DESCRIPTION AND AREAS OF USE

Roofing membrane, consisting of a non-woven polyester reinforcement, coated with modified bitumen (APP) and provided with a built-in vapour dif-fusion layer.

- The built-in vapour diffusion layer on the under-side of the roofing membrane is realised by an additional diamond-shaped profiled coating, consisting of self-adhesive plastomer bitumen that can be thermally activated. The bonding area to the substrate is approx. 40 %, achieving the ideal ratio between wind resistance and vapour diffusion.
- The wide, diagonal-shaped channels, provided with a heat-resistant mineral anti-adhesive finish, ensure the optimum vapour diffusion.
- The welding strip on the underside of the roofing membrane is additionally provided with a self-adhesive plastomer bitumen that can be slightly thermally activated. The welding strip on the top of the roofing membrane is provided with a thermofusible film.
- These two finishing's ensure a safe joint, by means of the gentle flame from the asphalt burner.
- The top of the roofing membrane is surfaced with talc. The underside is provided with a thermofusible film.

COMPOSITION

- reinforcement: non-woven polyester 180 g/m²
- coating mass: modified APP bitumen

TECHNICAL SPECIFICATIONS (average values)

- tensile strength (EN 12311-1)
 - longitudinal : 900 N
 - transversal : 550 N
- elongation at break (EN 12311-1)
 - longitudinal : 45 %
 - transversal : 45 %

DIMENSIONS

- length : 7,5 m
- width : 1 m
- weight : \pm 32 kg

FIXING

Thermally activate the APP-profiles on the underside by means of the gentle flame of the asphalt burner.

APPLICATION

Vapour diffusion under layer for the Nuraply 3P, 3PM or 3PG system.

Used on concrete substrates or areas of high moisture content within the built environment.

SAFETY, STORAGE & HANDLING INFORMATION

- Do not pile pallets
- Store indoors

TRANSPORT CLASSIFICATION

N/A

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NURAPLY 3PB TECHNICAL DATA SHEET

DESCRIPTION AND AREAS OF USE

Waterproofing membrane consisting of straight run bitumen heavily modified with polymers (APP = Atactic Polypropylene) and reinforced with a non-woven polyester.

FINISHING

- Top surfaced finished with white calibrated sand
- Underside finished with a smooth thermofusible film

APPLICATIONS

- Underlay in multi layer waterproofing system

COMPOSITION

- Reinforcement : non-woven polyester 180 g/m²
- Coating mass : plastomer bitumen, consisting of ± 70 % bitumen and ± 30 % atactic polypropylene (APP).

TECHNICAL SPECIFICATIONS (average values)

- Tensile strength (U.E.A.t.c.)
 - longitudinal : 600 N
 - transversal : 550 N
- Elongation at break (U.E.A.t.c.)
 - longitudinal : 40 %
 - transversal : 40 %
- Resistance to heat (U.E.A.t.c.) : $> 140^{\circ}\text{C}$
- Low temperature flexibility (U.E.A.t.c.) : -5°C
- Dimensional stability : $\leq 0,5\%$
- Tear resistance (U.E.A.t.c.)
 - longitudinal : 160 N
 - transversal : 160 N

DIMENSIONS

- Thickness : 3 mm
- Length : 10 m
- Width : 1 m
- Surface : 10 m²
- Average weight : 41 kg

SAFETY, STORAGE & HANDLING INFORMATION

- Do not pile pallets
- Store indoors

TRANSPORT CLASSIFICATION

N/A

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NURAFLUX/PREMSEAL PRIMER – TECHNICAL DATA SHEET

DESCRIPTION AND AREAS OF USE

Nuraflux Primer is a bitumen based adhesive solvent solution which is specifically formulated to provide excellent adhesion for Nuralite Waterproofing Membranes under many kinds of surface conditions. Nuraflux Primer is an integral part of the Nuralite Waterproofing System and sufficient primer must be used on dry surfaces to condition them to be dust free so that the substrate is suitable for the application of Nuralite Waterproofing Membranes.

Used to prime all structural concrete, masonry, or wood surfaces on which waterproofing membranes will be used.

Designed to be used on applications down to -4°C .

May be used on horizontal surfaces, but remains tacky, and precautions must be used in this application to prevent contamination of the Primer surface prior to installation of the membrane.

May be used on all concrete block and brick wall conditions.

APPLICATION

Nuraflux Primer may be applied with roller, brush or spray. A roller with a heavy nap should be used to carry sufficient material to the area being primed.

Apply all Nuraflux Primer to a clean, dry, dust free and frost free surface at a coverage of approximately 5 sqm/litre. The primer should be spread sufficiently to avoid areas of excess material. Areas of excess material will lengthen the drying time on the application of the primer.

Nuraflux Primer will dry in a minimum of one hour - may dry quicker due to drying conditions, such as wind and warmth.

This product is black in colour and will remain tacky when dry.

The application of primer should be limited to what can be covered with Waterproofing Membrane in one working day. Any areas not covered with membrane during the day must be reprimed - be sure to cover all open containers when not applying primer, as the primer is volatile.

SAFETY, STORAGE & HANDLING INFORMATION

Nuraflux Primer vapours are flammable. User should review Material Safety Data Sheet (MSDS) for this product and follow safety instructions listed therein.

TRANSPORT CLASSIFICATION

IMDG Class 3.1
UN No. 1294

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NURABOND NO 10

TECHNICAL DATA SHEET

DESCRIPTION

Nurabond adhesive is a water based adhesive designed to bond Nuraply roofing membranes to concrete, plywood and timber. It features good initial grab with excellent exterior weathering resistance.

SPECIFICATION :

Type: Modified synthetic latex / bitumen emulsion.
Colour: Black.
Viscosity: Brushable or spreadable.
Solids: 55% approx.
Cleaner: Water while wet, Bostik Solvent No.2 or 3 when dry
Stability: Protect from frost. Not freeze-thaw stable.

APPLICATION :

All surfaces must be clean and free from grease, oil, release agents or dust etc. It can be applied using brush, roller.

NOTE: Concrete must be cured for a minimum of 27 days and have a moisture content of 18% or less. Plywood and timber must have a moisture content of 18% or less and be of the correct standards.

PACKAGING :

20 litres plastic pail

STORAGE :

Store in cool, dry conditions out of direct sunlight between 5° C and 25° C. This product **MUST** be protected from frost.

SHELF LIFE :

12 months under normal temperature conditions and in original containers.

VERSION :

Version 1 3rd October 2006

IMPORTANT NOTICE:

The above recommendations are intended for the assistance of users and are of a general nature. They are based on our experience and judgement but because the conditions under which, and the materials with which our products are used, are beyond our control our recommendations must not be regarded as amounting to legal warranty or as involving any liability on us.

NURAGLAZE TECHNICAL DATA SHEET

EXTERIOR ACRYLIC GLAZE COATING

Description:

NURAGLAZE is a water based, interior/exterior coating with a unique cross linking technology that gives a tough, hard wearing, satin finish.

NURAGLAZE is designed for use on new or existing Nuradeck membrane deck systems or over Nuraply 3PM mineral chip membrane.

Once applied, the NURAGLAZE surface is hard wearing yet does not get dirty easily.

Typical Uses

May be used on suitably prepared Nuradeck surfaces with either a concrete or plywood substrate. Particularly useful on those decks where a clean appearance is important or where they require additional toughness.

Provides a film over the Nuraply 3PM to bond chips down, keep the membrane surface cleaner and aid with collection of potable water. May be tinted to alter the appearance of the Nuraply 3PM mineral chip membrane.

Physical Properties:

Binder Type	Unique cross-linking Acrylic
Solvent	Water
Colour	White though dries clear. Can be tinted any colour
Finish	Satin 15%gloss @ 60°C (Approx)
Dry Time	30 minutes at 20°C. Allow 12 hours before walking on and 7 days before putting furniture or parking a vehicle on it.
Recoat time	2 hours at 20°C
Number of Coats	2
Film Thickness	100 microns WFT
Theoretical Coverage	8-10m ² /litre over bare concrete, (per coat) 12-14m ² /litre over painted surfaces
Thinning & Clean Up	Water

Surface Prep Old Nuradeck Jobs

- Ensure surface is in sound condition, dry and free from dirt, dust, grease, oils and loose & flaking paint.
- Ensure that existing Nuradeck is firmly adhered to the substrate.
- Consider recoating with Nuradeck to extend the waterproofing life of the membrane.
- Old Nuradeck surfaces must be well sanded after cleaning.
- Any areas of mould must be treated with Nuracide.

Surface Prep Nuraply 3PM

- Ensure surface is in sound condition, dry and free from dirt, dust, grease or oils.
- Brush or blow loose chips from the membrane surface.

Application

- Apply 1 or 2 coats of NURAGLAZE. The application should be thin to ensure the glaze does not develop a "milky" appearance.

Non slip additive

- Nuradeck areas may be slippery when wet. To improve slip resistance add Ultragrip to the first coat of NURAGLAZE.

NURAGLAZE

TECHNICAL DATA SHEET

Performance & Limitations Performance

- Non yellowing
- Easy application properties with excellent flow and levelling
- Excellent durability

Limitations

- Do not paint if air or surface temperature is less than 10°C or above 35°C .
- Cold or humid conditions may require longer dry times.

Health & Safety

Waterborne

NURAGLAZE is a water reducible non toxic coating. It is non flammable and requires no special handling. We recommend the use of a barrier cream for hands when applying.

Transport UN No. : 1263

Class : N/A

Hazchem : N/A

Storage

Avoid freezing or temperatures in excess of 50°C.

IMPORTANT NOTE

This product as supplied by **Nuralite Waterproofing Ltd** is warranted to conform to those physical properties listed in the Typical Properties section of this information sheet. Otherwise the information presented including that on suggested areas and methods of use is in good faith only and is specifically without recommendation or guarantee as to particular suitability. It is the responsibility of the purchaser to satisfy itself that the product is both fit for the purpose intended and that their use of the product can and does achieve that purpose in any particular instance or condition. Usage rates are presented as an initial guide only and do not account for wastage or substrate or build variations.