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## NURAPLY 3PM PURE WHITE TECHNICAL DATA SHEET

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### DESCRIPTION AND AREAS OF USE

Waterproofing membrane consisting of non-woven polyester coated with plastomer bitumen. For waterproofing of roofs, decks or gutters.

NURAPLY 3PM PURE WHITE is a white, solar reflective, eco-friendly, bituminous roofing membrane. It has a greatly reduced carbon footprint and by using it you will ensure a considerable reduction in CO2 emissions.

NURAPLY 3PM PURE WHITE is an eco-friendly bituminous roofing membrane, a significant proportion of which is composed of a mix of recycled raw materials. It includes reclaimed bitumen from old roof covering and obsolete stock of polyesters and polymers.

The mineral finish is coated with anatase titanium dioxide (TiO<sub>2</sub>), which, with the assistance of sunlight, neutralises nasty greenhouse gases. Nitrogen oxides (NO<sub>x</sub>) and sulphur oxides (SO<sub>x</sub>) are a contributory factor to the creation of acids in the environment and to the greenhouse effect. When subjected to UV light the membrane acts as a catalyst and converts them into harmless and environmentally-neutral substances. This in turn contributes to a reduction of secondary particulates in airborne pollution.

NURAPLY 3PM PURE WHITE is manufactured using 100% green electricity.

### FINISHING

- Top surfaced finished with a mechanically rolled slate layer (colour WHITE) 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 : 700 N
  - transversal : 600 N
- Elongation at break (EN 12311-1)
  - longitudinal : 25 %
  - transversal : 35 %
- Low temperature flexibility (EN 1109): -15°C
- Dimensional stability (EN 1107-1): ≤ 0.3 %
- Fire resistance according EN 13501, part 5: Broof(t1), Broof(t2) et Broof(t3)

## DIMENSIONS

- Thickness :4 mm
- Length :7.5 m
- Width :1 m
- Surface :7.5 m<sup>2</sup>
- Average weight :43 kg
- Colour :Pure White

## 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.*

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## NURAPLY 3PB TECHNICAL DATA SHEET

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### 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/m<sup>2</sup>
- Coating mass : plastomer bitumen, consisting of  $\pm 70$  % bitumen and  $\pm 30$  % 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.) :  $-5^{\circ}\text{C}$
- 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 m<sup>2</sup>
- Average weight : 41 kg

## **SAFETY, STORAGE & HANDLING INFORMATION**

- Do not pile pallets
- Store indoors

## **TRANSPORT CLASSIFICATION**

N/A

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## **NURAPLY 3PV TECHNICAL DATA SHEET**

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### **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/m<sup>2</sup>
- 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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## NURAFLUX/PREMSEAL PRIMER – TECHNICAL DATA SHEET

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### 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  $-4^{\circ}\text{C}$ .

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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