



Any failure or deficiency of inaccessible below ground waterproofing, can be very difficult and expensive to correct. For that reason, Nuralite offers the choice of two proven systems to meet the demanding needs of specifiers.

Horizontal and vertical tanking must prevent the ingress of water and water borne aggressive salts such as chlorides and sulphates penetrating concrete structures.

Nuraply3PT is a thick and tough, reinforced bituminous waterproofing membrane, of great strength and durability. The membrane is 3 mm thick of APP bitumen with a heavy reinforcing layer of non-woven polyester inside. The 10 m x 1 m rolls of Nuraply 3PT are laid by heat welding the underside of the membrane to a Nuraflux primed surface.

Nuraply 3PT-SA is a thick and tough, reinforced bituminous waterproofing membrane, of great strength and durability. The membrane is 3 mm thick, with a flexible bitumen topside and a heavy reinforcing layer of non-woven polyester inside, and self-adhesive SBS underside. The 10 m x 1 m rolls of Nuraply 3PT-SA are laid by removing the plastic film on the underside of the membrane and rolled into the Nuraflux primed surface.

Nuraply3PTM has a mineral chip aggregated rolled into its surface. This makes it ideally suited for waterproofing underslabs – the chips key into the poured concrete slab.

Combining Nuraply 3PT on the walls with Nuraply 3PTM under the slab ensures the entire building is encapsulated with a tough positive waterproofing system.

BENEFITS:

- Long term and low maintenance waterproofing
- 20-year warranty
- Authorised applicators
- CodeMark certificate ensures certainty with building consents

BENEFITS

BUILDING CODE VERIFICATION

Nuraply 3PT/3PTM carries a CodeMark Certificate. CodeMark is a product certification system administered by the Ministry of Business Innovation and Employment (MBIE). It must be accepted by Councils so long as the application is designed and used within the scope of the CodeMark certificate.

WARRANTY

Nuralite warrants the Nuralite Tanking against material defects for 20 years from the date of installation.

CodeMark is a product certification system administered by the Ministry of Business Innovation and Employment (MBIE) which must be accepted by Councils so long as the product or system is designed and used within the scope of the CodeMark certificate.

APPLICATORS

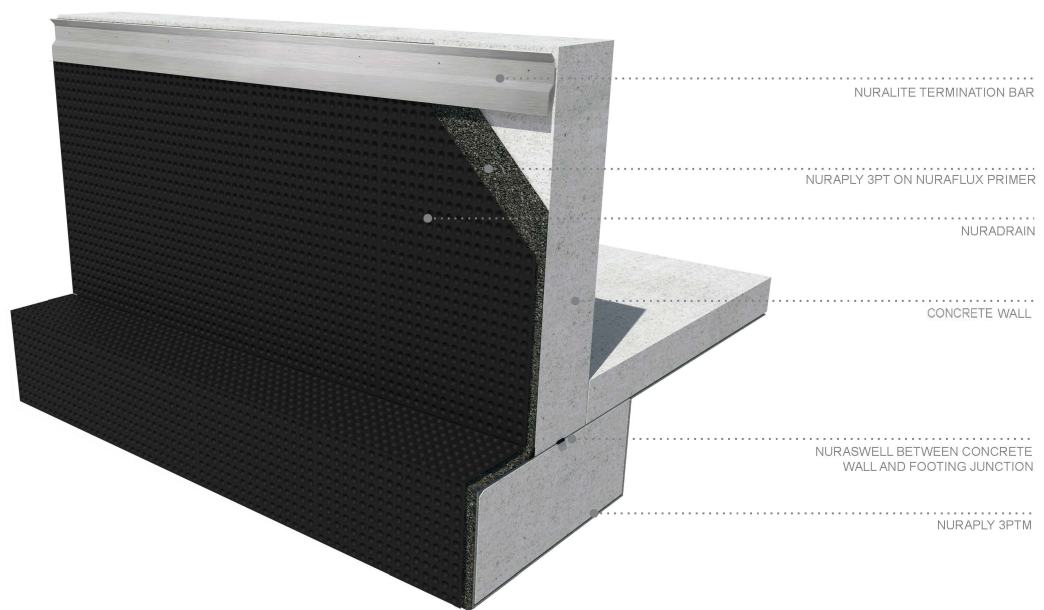
All of our authorized applicators have been trained at our premises followed by on-site training. Most applicators have been working with our systems for many years. We work closely with applicators to ensure quality standards are maintained.

Our applicators install the waterproofing system and drainage layer. The landscape aspects should be performed by skilled professionals.

TANKING SYSTEM

Nuraply 3PT(M)

» TANKING SYSTEM on solid concrete wall



THINGS TO CONSIDER

- Ensure surfaces are clean, with no lumps, hollows and holes and has a water content of 5% or less. Flush pointed blockwork is essential and corner fillets formed at wall/footing junctions as one
- Care must be taken once the membrane is installed to ensure it is not damaged prior to backfilling. Carefully supervise placement of protection boards and backfilling, to ensure no damage occurs to the membrane during that work
- If wall insulation is a consideration, install Nuratherm PIR adjacent to the waterproofing membrane. This will provide insulation and membrane protection. Nuradrain will still be required though to encourage waterflow to the drain system at the foot of the wall
- Prevent water build up against the wall with a drainage board such as Nuradrain. At least 100 mm diameter subsoil drainage pipe should be placed 150 mm from the base of the membrane. Have the subsoil pipe at the base of the wall set down a minimum of 200 mm below floor level and with the pipe sloped a minimum of 1:200 to the outlet

Simple design features assist the performance of the system.

- Slope the surrounding area away from the wall with a minimum 1:30 slope
- Seal the surface adjacent to the wall with a clay cap or concrete mowing strip
- Provide channels or drains to lead water away from the building
- Install subsoil drainage where the surrounding ground is very wet

WHEN YOU SHOULD NOT USE NURAPLY 3PT/M

Not with deep multi-storey basements or subject to high hydrostatic pressure. Specialist design and installation is required in these situations.

Not where tree roots are prevalent – specify the Nuraply 3PG membrane instead of Nuraply 3PT to ensure the roots will not attack the membrane.

Not in situations where the tanking may be damaged mechanically.

Not where there is insufficient room for an applicator to work on the substrate in a safe manner

WHEN TO USE NURALITE TANKING SYSTEMS

Both systems have been developed for positive long-term, low maintenance waterproofing of construction features such as:

- Foundations
- Basements
- Lift Shafts, Pits
- Underslab

Nuraply 3PT (M) provides a robust watertight solution for areas where water is likely. The system can tolerate some hydrostatic pressure but specific design is required for areas of high hydrostatic pressure such as large building sites by the sea.

Alternatively Nuralite Bituthene/Preprufe system should be considered for areas where water pressure above 2 Head is to be encountered. Refer Nuralite Bituthene/Preprufe Brochure.

BRANZ does not recommend the mixing of materials in tanking situations. To comply, in situations where water is likely Nuraply 3PT_SA and Nuraply 3PT should be used to encapsulate the external walls and under-floor completely.



TECHNICAL INFO

A comprehensive set of design details and specifications are available at www.nuralite.co.nz

Nuralite technical advisors are all very experienced and willing to help either on the phone, in your office or on site. Call 09 579 2046 or 0800 Nuralite (0800 687254).

DESCRIPTION – NURAPLY 3PT

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

DESCRIPTION – NURAPLY 3PT SA

Reinforcement: polyester fiber, 150 g/m².

Bitumen coating mass:

Topside: flexible bitumen.

Bottom side: self-adhesive SBS modified bitumen.

COMPONENTS

- Nuraswell
- Nuradrain
- Termination bars
- Lockin pocket
- Nuradrain fixing
- Nuracoat BG
- Nuralite Bitumen Fillet
- Nurapatch
- Nuraflush

COMPOSITION - NURAPLY 3PT

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

COMPOSITION - NURAPLY 3PTM

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

COMPOSITION - NURAPLY 3PT SA

- Reinforcement: polyester fibre, 150 g/m².
- Bitumen coating mass:
- Topside: flexible bitumen.
- Bottom side: self-adhesive SBS modified bitumen.

FINISHING - NURAPLY 3PT SA

- The bottom side is coated with self-adhesive, SBS modified bitumen
- The topside is finished with a smooth thermofusible film

FINISHING - NURAPLY 3PTM

- Top surface finished with dense mechanically rolled aggregate chip
- Underside finished with a smooth thermofusible film

Nuraply 3PT(M)

TANKING SYSTEM

»» Technical specifications (average values)

PRODUCT	NURAPLY 3PT	NURAPLY 3PTM	NURAPLY 3PT_SA
Tensile Strength (U.E.A.t.c)	L: 600 N T: 550 N	L: 50 N T: 500 N	L: 700 N T: 500 N
Elongation at Break (U.E.A.t.c)	L: 40% D: 40%	L: 45% D: 45%	L: 35% D: 35%
DIMENSIONS			
Thickness	3 mm	3 mm	2.5 mm
Length	10 m	10 m	10 m
Width	1 m	1 m	1 m
Surface	10 m ²	10 m ²	10 m ²
Average Weight	41 kg	36 kg	32 kg

Nuraply 3PT, Nuraply 3PT_SA, Nuraply 3PTM, Nuracoat BG, Nuraflex No.10 and Nuraflex WB are non-hazardous products. Nuraflex QD, primer is a Class III Dangerous Goods and is flammable. Care is required in use.



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