

Fosroc® Nitoproof Top Coat UV



constructive solutions

(Replaces Emer-Proof Top Coat UV Protect)

Water based acrylic hybrid membrane top coat for UV exposed applications

Uses

- Roof areas (when used with a base membrane layer of either Nitoproof 410 or Nitoproof 810)
- Exposed walkways subject to regular foot traffic
- Maintenance walkways subject to foot traffic
- Deck and balcony areas
- Exposed roof surfaces for maintenance and access areas
- General horizontal surfaces exposed to weather

Advantages

- Highly durable and foot trafficable
- UV weather resistance
- Excellent ponding water resistance
- Resistant to fungi and algae growth
- Provides slip resistant surface, no sand casting or aggregate addition required
- Excellent weathering properties
- Water based and non-hazardous
- Flexible (not elastomeric)
- Excellent adhesion to Nitoproof 410 and Nitoproof 810 water based membranes and primed masonry surfaces
- Low VOC

Description

Nitoproof Top Coat UV is an acrylic hybrid hard wearing top coat designed for external applications on horizontal surfaces. Suitable for use as a trafficable top coat over Nitoproof 410 and the Nitoproof 810 membranes for roofs and deck areas. Nitoproof Top Coat UV exhibits outstanding adhesion properties and excellent UV weather resistance.

Design Criteria

The substrate must be suitably prepared, clean, sound, stable and free of protrusions in accordance with Parchem's instructions. It must be primed unless it is being applied over Nitoproof 410 or Nitoproof 810, these must be allowed to cure for 24 hours before Nitoproof Top Coat UV is applied. The stirred Nitoproof Top Coat UV is applied onto the surface continually in one direction and each successive coat should be applied perpendicular to the previous coat.

Properties

Data quoted is typical for this product, but does not constitute a specification.

Wet form

Specific gravity:	1.32kg/litre
Solid Content:	65%
Appearance:	Textured viscous liquid
Colour:	Light Grey

Cured membrane

Elongation:	>150%
Tensile Strength:	>3 MPa
Shore A hardness:	82

Standards

Slip resistance testing

System Used	AS 4586:2013 Appendix A Wet Pendulum Test	AS 4586:2013 Appendix B Dry Floor Friction Test
Nitoproof 410 overcoated with Nitoproof Top Coat UV	P5	D1
Nitoproof 810 overcoated with Nitoproof Top Coat UV + Nitoproof Top Coat EW	P4	D1
Nitoproof 810 overcoated with Nitoproof Top Coat UV	P5	D1
Nitoproof 810 overcoated with Nitoproof Top Coat UV + Nitoproof Top Coat EW	P4	D1

The slip test results shown are available on request. The results were achieved in controlled laboratory conditions; reasonable variations are to be expected on site, due to site-specific conditions and variances in application. Application of the proposed system on a small test area on site, prior to commencement of works is highly recommended, to confirm actual slip resistance.

Specification Clause

Where required, a water based acrylic hybrid liquid membrane is to be applied as a top coat, over Nitoproof 410 or Nitoproof 810, to offer a trafficable, weather resistant, slip resistant and waterproof area. The membrane must be very low VOC, Australian made and non-hazardous. The Nitoproof Top Coat UV from Parchem Construction Supplies meets the performance criteria and is approved product.

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Application Instructions

Surface preparation

Surfaces must be clean, sound, stable and free of: loose foreign material; existing coatings; laitance; release agents; curing compounds and oil/grease residues.

Surfaces must be dry, suitably prepared and in a sound state prior to beginning the application.

For application directly to a surface/substrate which has no Nitoproof membrane applied previously, Parchem recommend to always prime substrate prior to Nitoproof Top Coat UV application.

Priming

Substrates must be primed, prior to the application of Nitoproof Top Coat UV:

(There is no requirement to prime if applied directly onto either Nitoproof 410 or Nitoproof 810 membranes, however surfaces must be clean and dry).

Primer choice is defined by substrate requirements:

- For porous masonry surfaces, Nitoprime 120 may be selected (see TDS for further details)
- For non-porous substrates, such as ceramic tile, metals and plastics, Nitoprime 115 may be selected (see TDS for further details)

Stain resistance and scuff resistance

Nitoproof Top Coat UV is a hybrid acrylic coating designed for use over Nitoproof Top Coat UV to improve stain resistance and scuff marks associated with pedestrian foot traffic. Suitable for a variety of exterior applications Nitoproof Top Coat UV exhibits excellent UV resistance and durability.

Initial semi-gloss finish will form after application. This will diminish after 10-14 days to a matt finish.

Damp surfaces - entrapped moisture

Seek technical advice from Parchem.

Application

Nitoproof Top Coat UV membrane should be well stirred before using, then applied to prepared surfaces using a 12mm nap roller or brush.

Optimum performance achieved in 1 coat application at a minimum total coverage of 0.8 litres/m² for horizontal surfaces. On vertical upturns and returns, a minimum total coverage of 0.6 litres/m² is required.

Horizontal applications:

Wet film thickness = 800 microns

Dry Film thickness = 500 microns

Vertical applications:

Wet film thickness = 600 microns

Dry film thickness = 350 microns

Cleaning

Product while in a wet state will clean up with water. Once dried product will need to be removed by mechanical means or with solvent cleaners.

Splashes of Nitoproof water based membrane on paintwork etc should be wiped off immediately using a cloth dampened with a strong detergent solution.

Drying times

Recoat: 4 hours @ 23°C; 50% RH

Dry film: 24 hours @ 23°C; 50% RH

Weatherproof (horizontal): 48 hours @ 23°C; 50% RH

Drying times @ 10°C – allow a 'minimum' 24 hours extra drying time on standard recommendations at this temperature.

Base membrane needs to be allowed to cure for a minimum of 24 hours prior to Nitoproof Top Coat UV application.

Maintenance

No special requirements, any damage identified during normal inspections should be repaired or replaced as appropriate

Limitations

Nitoproof Top Coat UV is not designed for use as an exposed membrane under vehicular traffic or in commercial foot traffic areas (such as shopping centre entry-ways).

On roof applications, Nitoproof Top Coat UV is to be applied to surfaces with appropriate falls and drainage.

Not designed for immersed areas.

Please Note

Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures. (There are limitations to how hot/cold the surface temperature can be, when applying liquid based membrane or primer).

For example: ambient temperatures may be 10°C but the substrate could be 0°C and have frost issues. The same applies with higher temperatures: ambient temperature may be 26°C but have a substrate temperature of 36°C

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Supply

Nitoproof Top Coat UV (Grey)	15 litre Pail
Material code:	FC000606-15L

Coverage

Horizontal applications: 0.8 litres/m²

Vertical applications: 0.6 litres/m²

Shelf Life

Nitoproof Top Coat UV has a shelf life of 24 months from date of manufacture if kept in a dry store in the original, unopened packs. Refer to the Use by Date indicated on the packaging.

Storage Conditions

Store in dry conditions at temperatures between 5°C and 30°C in the original, unopened containers. If stored at high temperatures, the shelf life may be reduced.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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