

Water based acrylic hybrid membrane top coat for UV exposed applications

## Uses

- Roof areas (when used with a base membrane layer of either Emer-Proof Aqua Barrier Quick Dry or Emer-Proof Aqua Barrier Advanced)
- 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 Emer-Proof water based membranes and masonry surfaces when primed with Emer-proof primers
- Low VOC

## Description

Emer-Proof Top Coat UV Protect is an acrylic hybrid hard wearing top coat designed for external applications on horizontal surfaces. Suitable for use as a trafficable top coat over Emer-Proof Aqua Barrier Quick Dry and the Emer-Proof Aqua Barrier Advanced membranes for roofs and deck areas. Emer-Proof Top Coat UV Protect exhibits outstanding adhesion properties and excellent UV weather resistance.

## Technical Support

Parchem offers a comprehensive range of high performance, high quality waterproofing and construction products. In addition, Parchem offers a technical support package to specifiers, contractors and end-users, as well as on-site technical assistance

## Properties

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

### Wet form

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

### Cured membrane

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

## 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 Emer-Proof Aqua-Barrier Quick Dry or Emer-Proof Aqua-Barrier Advanced, these must be allowed to cure for 24 hours before Emer-Proof Top Coat UV Protect is applied. The stirred Emer-Proof Top Coat UV Protect is applied onto the surface continually in one direction and each successive coat should be applied perpendicular to the previous coat.

## Specification Clause

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

## 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 non-Emer-Proof membrane surface/ substrate, Parchem recommend to always prime substrate prior to Emer-Proof Top Coat UV Protect application.

# Emer-Proof® Top Coat UV Protect



## Priming

Substrates must be primed, prior to the application of Emer-Proof Top Coat UV Protect:

(There is no requirement to prime if applied directly onto either Emer-Proof Aqua-Barrier Quick Dry or Emer-Proof Aqua-Barrier Advanced membranes, however surfaces must be clean and dry).

Primer choice is defined by substrate requirements:

- For porous masonry surfaces, Emer-Proof Primer Porous may be selected (see TDS for further details)
- For non-porous substrates, such as ceramic tile, metals and plastics, Emer-Proof Primer Non-Porous may be selected (see TDS for further details)

## Stain resistance and scuff resistance

Emer-Proof Top Coat Extended Wear is a hybrid aliphatic acrylic coating designed for use over Emer-Proof Top Coat UV Protect to improve stain resistance and scuff marks associated with pedestrian foot traffic. Suitable for a variety of exterior applications Emer-Proof Top Coat Extended Wear 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

Emer-Proof Top Coat UV Protect 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/m<sup>2</sup> for horizontal surfaces. On vertical upturns and returns, a minimum total coverage of 0.6 litres/m<sup>2</sup> 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 Emer-Proof water based membrane on paintwork etc should be wiped off immediately using a cloth dampened with a strong detergent solution. Brushes and brooms etc. should be soaked in a strong detergent solution immediately after application has finished. Hands and skin may be cleaned using a proprietary waterless hand cleaner, but prevention of soiling is a better practice by wearing gloves and overalls.

## Maintenance

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

## Limitations

Emer-Proof Top Coat UV Protect 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, Emer-Proof Top Coat UV Protect is to be applied to surfaces with appropriate falls and drainage.

Not designed for immersed areas.

## Drying times

Recoat: 4 hours

Dry film: 24 hours

Base membrane needs to be allowed to cure for a minimum of 24 hours prior to Emer-Proof Top Coat application.

Weatherproof (horizontal): 48 hours

Based on normal ambient conditions of 23°C

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

## 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

# Emer-Proof® Top Coat UV Protect

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## Supply

<b>Emer-Proof Top Coat UV Protect (Grey)</b>	15 litre Pail
Material code:	FC000850-15L
<b>Emer-Proof Top Coat Extended Wear</b>	15 litre Pail
Material code:	FC000881-15L

## Coverage

Horizontal applications: 0.8 litres/m<sup>2</sup>

Vertical applications: 0.6 litres/m<sup>2</sup>

## Shelf Life

Emer-Proof Top Coat UV Protect has a shelf life of 24 months from date of manufacture if kept in a dry store in the original, unopened bags or 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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