

Water based acrylic hybrid membrane top coat for UV exposed applications

Uses

- Roof areas
- 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 water based membranes and primed masonry surfaces
- Low VOC

Description

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

Design Criteria

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

Properties

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

Wet form

Specific gravity:	1.32kg/litre
Solid Content:	65%
VOC content:	26g / litre
Appearance:	Textured viscous liquid
Colour:	Light Grey

Cured membrane

Elongation:	>150%
Tensile Strength:	>3 MPa
Shore A hardness:	82
Solar reflectance index (SRI) ASTM E1980:	41.53

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.

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 membrane applied previously, Best Con recommends to always prime substrate prior to Best Con UV Coat application.

Best Con UV Coat

(High Performance Acrylic base Skim Coat Paint)

Priming

Substrates must be primed, prior to the application of Best Con UV Coat:

Primer choice is defined by substrate requirements:

- For porous masonry surfaces.
- For non-porous substrates, such as ceramic tile, metals and plastics.

Damp surfaces - entrapped moisture

Seek technical advice from Best Con.

Application

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

Apply 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

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 fully cured prior to Best Con UV Coat application.

Cleaning

While in a wet state, Best Con UV Coat will clean up with water. Once dried product will need to be removed by mechanical means or with solvent cleaners.

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

Limitations

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

Best Con Top Coat EW is a hybrid acrylic coating designed for use over Best Con UV Coat to improve stain resistance and scuff marks associated with pedestrian foot traffic. Initial semi-gloss finish will form after application. This will diminish after 10-14 days to a matt finish.

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

Not designed for immersed applications.

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

Supply

Best Con UV Coat (Grey); 20 litre	FC000606-15L
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Coverage

Horizontal applications: 0.8 litres/m²

Vertical applications: 0.6 litres/m²

Storage

Best Con UV Coat has a shelf life of 2 years if kept in a cool, dry conditions in the original, unopened packs. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.