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## Technical Data Sheet

### Uni-Flex™ Membrane Protective Finish

Providing both protection against the elements and a decorative properties, this acrylic based surface coating is designed to be brushed or roller coated over Unitex® Texture Applied Finishes and Uni-Shape™ mouldings and profiles. Complete and uniform coverage must be provided over the various substrates, and can be achieved generally with a sealer coat, such as Unitex® Cembond™ Substrate Sealer, and two top coats of Uni-Flex™ Membrane.

#### Description

Uni-Flex™ Membrane is a surface coating with a satin gloss level (low sheen) that can be factory tinted to your choice of colour. A minimum of two coats are required for optimum hiding and film build that offers protection against the effects of weather (rain, temperature extremes, solar radiation and wind effects, etc.). Uni-Flex™ Membrane is designed to be applied in thicker coatings than Uni-PTC™ and is the Unitex® recommended exterior finish for buildings in marine environments where its satin finish and low water vapour permeability are advantages over other surface effects finishes. Uni-Flex™ Membrane can be brushed or roller coated over textured walls, Uni-Shape™ mouldings and profiles.

Uni-Flex™ Membrane contains an acrylic co-polymer binder that provides very high outdoor durability, flexibility and high adhesion so that it can be coated over cement-containing textures such as Uni-Dry Cote™ 846 and 855 as well as over acrylic binder based texture coatings such as Uni-Trowel Décor™ and Uni-Rolled Décor™ textures without peeling or cracking. In some substrate conditions, such as mixed substrates on a single wall, it is advised to use a coat of Unitex® Cembond™ Substrate Sealer prior to applying 2 coats of Uni-Flex™ Membrane. The substrate sealer provides a constant surface and improved adhesion between the substrate and the protective and decorative coatings such as Uni-Flex™ Membrane. This product can be painted over the decorative Uni-Shape™ Mouldings so that the wall, profiles and mouldings can all have the same surface effect. Uni-Flex™ Membrane also contains a combination of functional pigments and carefully chosen additives that provide optimum hiding and rheological properties. Uni-Flex™ Membrane will bridge existing minor hair-line cracking but will not bridge later substrate cracking in the years ahead.

Uni-Flex™ Membrane is supplied in ready to use 15 litre pails. Typical coverage with 2 coats is approximately 40-50 m<sup>2</sup>.

For the discerning project managers, builders and applicators, Uni-Flex™ Membrane assists your project as follows:

Surface coating that provides protection against weather effects for many years.

Able to be factory tinted to provide a decorative effect to your finished project

Easy to apply by brush or roller.

Application tools can be washed with water.

Is polymer-modified for strong adhesion to cement based and acrylic based textured surfaces.

Two coats recommended for optimum hiding.

Consistent quality.

Resists attack from bacteria and fungi.

As the outer layer of render systems, Uni-Flex™ Membrane meets the various Fire Resistance Standards such as AS/NZS 1530.3-1999 for the simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release, AS/NZS 3837-1998 for heat and smoke release rates for materials using an oxygen consumption calorimeter, and AS 1539.8.1-2007 for Bushfire Attack Levels 29 and 40.

Water resistance: even at exceptionally high build, coatings of Uni-Flex™ Membrane is designed to provide a barrier against water ingress.

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Colour: Uni-Flex™ Membrane can be purchased in your preferred colour. The choice is very wide. Please contact Unitex® to find out more. Note that all colours will fade a little in outdoor conditions. This is normal. However experience has shown that some deep shades are not suited to harsh Australian conditions and will not be supplied by Unitex®.

Can be overcoated during the life of the building to freshen the appearance. Surface preparation for overcoating with Uni-Flex™ Membrane is the same as for paint products: wash the building, remove dirt and loose flakes, etc.

Is readily available in 15 litre pails.

Is manufactured by Unitex® in Australia.

**Application Instructions****Substrates**

Previously textured surfaces.

**Substrate condition**

A minimum of 72 hours under ideal temperate conditions is required for through dry and cure of the texture. When the surface is through dry, Uni-Flex™ Membrane may be applied. Unitex® recommends testing surface dryness with a Moisture Meter (such as Protimeter) where the WME (Wood Moisture Equivalent) must be lower than 15 %. Before application of any coating such as Uni-Flex™ Membrane the surface must be clean, dry, cured and free of any dust and debris. This means that any loose or damaged substrate must be removed, or repaired, and any moisture must also evaporate out prior to Uni-Flex™ Membrane being brushed or roller coated onto the substrate.

Note: A test area of the complete Unitex® system must always be provided by the applicator for the Builder and Specifier approval.

Always contact Unitex® for specific substrate specifications.

**Site Preparation**

It is important to ensure that, as well as the substrate being properly prepared, the work area is also made ready. This means masking and protective covering of windows, doors and adjoining surfaces to avoid marking the glass and frame surfaces with splatter. Drop sheets should also be used where required (tiles, pavers, downpipes, etc.).

Building regulations, if the scope of work invokes these, will require scaffolding to be erected by a qualified and certified operator. Equipment must be tagged and kept in good safe working order. Site and local handling of equipment regulations must be followed to provide a safe work environment.

**Weather Conditions**

If temperatures are less than 7 °C or greater than 32°C, Uni-Flex™ Membrane should not be applied to a wall.

Freshly applied Uni-Flex™ Membrane must be protected from rain, other sources of moisture and frosts for at least 48 hours.

**Drying**

In dry, mild conditions, Uni-Flex™ Membrane should be dry within 24 hours after application. With certain site conditions such as shaded areas, lower temperatures or high humidity, drying of the coating may take longer.

Always check the weather forecast before applying coatings to surfaces as rain, especially within the first 8 hours after application, has a tendency to damage or weaken the coating, or at best, leave water marks. Heavy rain at any time in the first 2-3 weeks may leave water marks on the surface. Should rain damage occur, the coating integrity and adhesion must be checked.

Both frosty conditions and excessively high temperatures should be avoided. Unitex® recommends applying Uni-Flex™ Membrane in temperatures above 7 °C and less than 32 °C.

All substrates must be dry before a coating is applied. Unitex recommends testing surface dryness with a Moisture Meter (such as Protimeter) where the WME (Wood Moisture Equivalent) must be lower than 15 %.

**Cleaning up**



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All of the equipment used to apply Unitex Renders, Textures and Paints are cleaned up with water and a little “elbow grease” immediately after use. Cleaning should only be carried out at the Builder’s, or own, supplied environmental cleaning station where all waste water is captured for eventual removal to recycling stations.

## Estimating

### Supply

Uni-Flex™ Membrane                      15 litre pail

### Coverage

With two coats, approximately 40-50 m<sup>2</sup>.

### Shelf Life

A shelf life of 12 months is to be expected. After opening, re-seal the pail to slow the skin formation of the product. However, if the product has dried out in the pail, discard before use. A clear liquid may form on the surface of the product, especially in warm, humid conditions. This is normal and can be homogenized back into the product with stirring before use. Storage in frosty conditions is to be avoided as this can affect the stability of the product.

### Product Safety

See MSDS

Uni-Flex™ Membrane is classified as non-hazardous according to the criteria of NOHSC.

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods.  
NON DANGEROUS GOODS

## Manufacturer’s Details

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