Unitex®

YOUR WALLS
OUR PRIDE

ACRYLIC RENDERS & TEXTURED FINISHES

USAGE & INSTALLATION GUIDE

UNITEX®
RENDERS & FINISHES

With Unitex® Renders and Surface Finished Coatings, your walls are our pride. Unitex® products range from lightweight pre-mixed dry powder-based renders, to ready-to-use water-based acrylic finishes matched to light-fast colours and various textured effects.

Every product has proven technological advances in polymer modification and functional additives. All Unitex® Renders & Finishes have high-impact strength combined with excellent adherence to well bound, dry, sound, and laitance-free surfaces. All Unitex® Renders & Finishes are formulated to specific substrate requirements.

Many of the Renders utilise recycled materials that enhance the benefits but don't compromise performance. At Unitex®, protecting our environment is at the cornerstone of our product development.

With such a broad spectrum of solutions available for your façade, the only problem our customers are faced with is which Unitex® Render & Finishing System to use. To help you find the best solution for your project, see the selection guide on the back page. Match the substrate you have and the finish you desire with the appropriate Unitex® Render and Finishing System.

For further assistance, simply email the elevation and floor plans at www.unitex.com.au or www.render.com.au, or request a visit by an experienced Unitex® Technical Representative on-site.

Unitex® will work with you, and your Applicator, to provide the Uni-Dry Cote base Render and the Uni-Décor colour and texture you need to create the façade of your dreams.

Unitex® Uni-Dry Cote® Render Products (base renders)

General Information

To fully protect your wall and to provide the strong key for your topcoat, a solid base is needed. Unitex® renders are designed to provide excellent adherence to the substrate and a sound key-surface for the finish coat, that is later applied over the base render.

Base renders are not designed to be the finished surface. They should always be over-coated with a finish coat from the Unitex® Applied Finish range. All of our Renders are compatible with all of our system recommended Finishes.

It should be noted that renders are not designed to have cohesive strength greater than the substrate. The full strength of renders is achieved after complete through drying, and final cement hydration. Dryness is <12% WME. This can take up to 30 days.

Safe Use

Protective glasses, gloves, dust masks etc should be used where appropriate when handling Unitex® products. Hearing protection should be worn when using power tools. Details are provided in the relevant product Safety Data Sheet (SDS) available from Unitex® and URW (www.unitex.com.au and www.render.com.au).

Note: All Unitex® renders should not be over-worked close to surface curing stage, as cracking and shrinking and delamination can result.

Condition of Substrate

Before application of any render the surface of the substrate must be clean, dry (wme =< 12% moisture meter) and free of any debris. This means that any loose or damaged substrate must be removed or patched and made good, prior to application of the base render.

The substrate surface must be cleaned free of any grease, oils, scaling laitance, wet cement run off, efflorescence, form-oil compounds, mould, fungi, rust, dirt, dust or any other foreign matter. Pre-painted surfaces must be wire-brushed back to the bare substrate, or a Hatch Test peformed to assess coatability.

All external walls must have a moisture barrier (at ground level) to prevent rising damp. Render and Paint products will not continue to adhere to a damp substrate and will eventually suffer efflorescent damage to decorative and protective properties.

It is the responsibility of the builder or head contractor to make good any substrate before the render is applied.

Adequate expansion joints are required to minimise cracking on the surface of the render. Location of the expansion joints is also the responsibility of the builder or head contractor. Unitex® recommends regular expansion joints to every elevation, between floor levels and between different substrates, to allow for building movements and/or stresses.

If such expansion joints are not provided by the builder or head contractor, cracking and delamination may occur due to movement of the substrate. This is in no way indicative of faulty material, rather it indicates sub-standard building practice.

Adding Water

The majority of Unitex® base render products are dry powder-based products. This means that you are getting a 100% active product. All that is required is for clean water to be mixed in, on-site, immediately prior to application to the substrate.

The recommended starting point is to add approximately 4 -5 litres of water (per full bag of render) into a clean container. Then slowly add the powder, with drill mixing until the desired slump (consistency) is achieved.

The exact amount of water added depends on a number of factors unique to each application. These factors include the condition of the substrate, the ambient temperature and the surface temperature, amongst others. The applicator needs to take all relevant factors into account when determining the slump (of the wet render) required.

Packaging

All Unitex® dry powder render products are supplied in strong, multi-walled paper sacks that are readily disposed of in recycle bins, after the contents have been emptied. They are packed 60 bags to a pallet.

Unitex® Uni-Dry Cote® HiLite Render™ (High build, lightweight)

This lightweight render is the most versatile product from the Unitex® base render range. Unitex® Uni-Dry Cote® HiLite Render is a cement-based, pre-mixed, polymer-modified dry powder product requiring only water to be added on-site. It is 30% lighter than conventional renders.

Quick Guide	
Product size:	14kg bags
Coverage:	2-4m^2
Substrate suitability:	New Bricks, Old Bricks, Cement Block
Application tools:	Spray or Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

It is designed for application on new substrates and in renovation works. This versatility is also reflected over the wide range of substrates on which it can be used. Unitex® Uni-Dry Cote® HiLite Render can successfully be applied to brick, concrete, pre-cast panels, lightweight porous panels and cement blocks.

Unitex® Uni-Dry Cote® HiLite Render is equally at home on internal surfaces. After it has cured and through dry (wme =<12 moisture meter) the surface can be covered with hard plaster or a textured paint.

Unitex® Uni-Dry Cote® HiLite Renderan be used for filling, patching, levelling, and the restoration of very uneven substrates. It is the best choice for high-build over difficult substrates and is unique with its lightweight dry form. High-builds are achieved with multiple coats of 10-15mm application per coat.

The application versatility of Unitex® Uni-Dry Cote® HiLite Render is matched by its performance over time after application. The results are excellent durability and strong impact resistance which will help protect the substrate and maintain the integrity of the finished product.

Unitex® Uni-Dry Cote® HiLite Render can be applied by either trowel (and straight-edged), or spray machine. Ultimate high-build can be achieved with multiple application passes. On a single pass it is possible to obtain a coating thickness of up to 30mm with spray machine or 15mm with trowel. If a substrate is tested as acceptable to achieve build coats, then up to 50mm thickness is achieved with a 3-pass application, but only when the substrate has been keyed with a Notch Trowel application (rough) of Unitex® Polymer Render (plus 5-10% cement). With a 15mm coat, a minimum of 72 hours drying time is required between applications (dryness is measured with a Protimeter Moisture Meter to measure less than 12% WME).

Before applying a Unitex® textured finishing coat the base Unitex® Uni-Dry Cote® HiLite Render coat must be through dry as measured with a Protimeter Moisture Meter (less than 12% WME). This dryness would typically not be reached under 72 hours.

Uni-Dry Cote® Fast-R Render

Uni-Dry Cote® Fast–R Render is a premium product specially formulated to be applied as a single coat either thick or thin with optimum workability & ease of application. It is so easy that you can relax as you work, and able to close over readily when floated or sponged. Uni–Cote® Fast–R Render is suitable for covering all sound, dry masonry surfaces such as brickwork and concrete blockwork, and performs the function of leveling and protecting masonry walls.

Quick Guide	
Product size:	16kg bags
Coverage:	2.5-3.5m^2
Substrate suitability:	AAC Panels, New Bricks, Old Bricks, Cement Block
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Uni-Dry Cote® Fast–R Render is cement based and polymer modified for strong adhesion to sound masonry surfaces. Uni-Dry Cote® Fast–R Render is applied directly onto clean, dust and debris-free, dry and cured masonry surfaces by trowel and can be screeded if desired before being rubbed up to a true and even surface with a float. This product is workable at varying thicknesses from 4 to 10mm. Thicker coatings can be applied in one coat and finished off very easily, therefore applicators do not have to wait 3-7 days or more for a first coat of render to dry before applying a second coverage of render.

Uni-Dry Cote® Fast–R Render can be simply over coated with any of the range of Unitex Applied Finishes coating systems such as factory tinted Uni-Trowel Décor 777 liquid texture or neutral Uni-Dry Cote® 855 blended dry powder texture and after the texture coat is dry, a suitable factory tinted topcoat such as Uni-PTC can be applied. In certain conditions a substrate sealer over the dry render prior to texture coating is recommended.

Uni-Dry Cote® Fast–R Render is supplied in ready-to-use 16 kg bags. Each bag allows up to 15 litres of wet render to be prepared by mixing the bag contents with approximately 4-5 litres of clean water and drilling for homogeneity.

Coverage per bag depends on the desired thickness of the render. Low build thicknesses of 4 mm results in approx. 3m^2.

Unitex® Uni-Dry Cote® BBR (Uni-Base Board™ Render)

Unitex® Uni-Dry Cote® BBR is specially formulated to be a strongly-adherent render on the pre-coated Unitex® Uni-Base Board. Together with the other Unitex® components, Unitex® Uni-Dry Cote® BBR is an integral part of the Unitex® Uni-Base Board low-build, external insulating cladding system; another member of the Unitex® Uni-EIFS™ range. Unitex® Uni-Dry Cote® BBR is trowel-applied and suitable for a one-coat or two-coat application on Unitex® Uni-Base Board.

Quick Guide	
Product size:	8.5kg bags
Coverage:	1.5-2m²
Substrate suitability:	Uni-Base Board systems
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® BBR is a cement-based polymer modified, high performance, water resistant and adhesion promoting render system. This product is workable at thicknesses up to approximately 3-10 mm per pass.

Unitex® Uni-Dry Cote® BBR is supplied in ready-to-mix 8.5kg and 20kg bags.

Approximate coverage per bag is 1.5-2m² yielding approximately 5mm Unitex® Uni-Dry Cote® BBR render depth.

Unitex® Uni-Dry Cote® BBR, when dry and fully cured, is over coated with any of the range of Unitex® Roll, Trowel or Brush Applied Texture coating systems. This completes the Unitex® Uni-Base Board insulating system, from the Uni-EIFS™ range (dry is considered to be less than 12% WME measured on Protimeter Moisture Meter).

Quick Guide	
Product size:	20kg bags
Coverage:	1.5-2m²
Substrate suitability:	Uni-Base Board systems
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Redi Render™

This polymer-modified, heavier weight render provides a high-quality, strong and durable base.

Quick Guide	
Product size:	8.5kg bags
Coverage:	3.5-4.5m²
Substrate suitability:	New Bricks, Old Bricks, Cement Block
Application tools:	Spray or Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Redi Render™ is specifically designed to be applied over new or old brickwork. It is trowel-applied and suitable for a two-coat application. A 24-hour wait is required between successive coats.

The correct Render to choose for brick largely depends on the condition of the surface. If the surface is particularly uneven or deeply raked, Hi-Lite would be more suitable. However if the surface is in good condition, Redi-Render will provide an excellent base.

Again the surface finish of your choice is available from the Unitex® Applied Finish range, combined with the protection of Uni-PTC or Uni-Flex Membrane. Remember to wait at least 72 hours before applying any surface coat.

Unitex® Uni-Dry Cote® Panel Patch™ (4-hour fire rating)

This base render product from Unitex® is especially designed for those applications requiring high thermal resistance, such as high build rendering over steel joining plates (Fisch Plates) on tilt-up pre-cast concrete panels. It is a polymer-modified cement render that has been specifically formulated to be heat-resistant.

Unitex® Uni-Dry Cote® Panel Patch has a 4-hour Fire Rating! Testing has been independently determined and carried out to the Australian Standard AS1530.4-2005. A copy of the test report is available from Unitex®. The 4-hour Fire Rating means that Unitex® Uni-Dry Cote® Panel Patch can be used in multi-storey buildings where a 4-hour Fire Rating (or a less stringent requirement) is mandatory.

Quick Guide	
Product size:	8kg bags
Coverage:	Approx 7 joining plate recesses
Substrate suitability:	Precast Panel, Concrete repairs
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Beach Render

Designed for application over clean brickwork and block work. Beach Render is available as a fine – medium grade render for sponge finishing. It is applied in 2 passes – a build coat and then a final sponge finish. Coverage is 2-4.5 m^2 per bag (depending on substrate and build thickness required).

This fine graded sand Render is for tight smoother surfaces and should only be used by Applicators experienced in fine quality surface finishing. Always provide a minimum 2m^2 sample of the project for customer approval of your application quality and the complete Unitex® system for approval.

Quick Guide	
Product size:	20kg bags
Coverage:	2-4.5m^2
Substrate suitability:	New Bricks, Old Bricks, Cement Block
Application tools:	Trowel, Machine Spray, and Sponge
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Beach Render is specifically designed to be applied over brick work or cement blocks. It is for trowel 2 coat application. A 24 hour wait is required between successive coats. The thickness of the coat applied depends largely on the condition of the working surface. It is workable at thicknesses of approximately 5 – 10mm. However if the surface is in good order, only a 5mm skim coat is needed. Generally surface floated or sponged to achieve an acceptable Render finish substrate for over coating with any of the Unitex® Applied Surface Finish range.

Unitex® Uni-Dry Cote® Harbour Fine

This polymer modified heavier weight Render provides a high quality, strong and durable base. Being a fine graded sand Render, is designed for tight smoother surfaces and should only be used by Applicators experienced in fine quality surface finishing. Always provide a minimum 2m^2 sample on the project for customer approval of your application quality and the complete Unitex® system for approval.

Quick Guide	
Product size:	20kg bags
Coverage:	2-4.5m^2
Substrate suitability:	New Bricks, Old Bricks, Cement Block
Application tools:	Trowel, Machine Spray, and Sponge
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Harbour Fine is designed to be applied over dry new or old brick work. It is for trowel or machine spray application and suitable for a 1 coat or 2 coat application. A 24 hour wait is required between successive coats. The thickness of the coat applied depends largely on the condition of the surface. It is workable at thicknesses of approximately 5 – 10mm. However if the surface is in good order, only a 5mm skim coat is needed. Generally surface floated or sponged to achieve an acceptable Render finish substrate for over coating with any of the Unitex® Applied Surface Finish range.

Unitex® Uni-Dry Cote® Aero Render

Quick Guide	
Product size:	20kg bags
Coverage:	4-7m^2
Substrate suitability:	AAC Panel, New Bricks, Old Bricks, Cement Block
Application tools:	Spray or Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Uni-Dry Cote® Aero Render is a premium product specially formulated to be applied as a single coat over AAC Panels with optimum workability, ease of application and long open time, so easy that you can relax as you work, and able to close over readily when floated. Uni-Dry Cote® Aero Render is suitable for covering all sound AAC Panels, and can also be used over dry masonry surfaces such as brickwork and concrete blockwork. It performs the function of leveling and protecting AAC Panel and masonarywalls.

Unitex® Uni-Dry Cote® Aero Render is cement based and polymer modified for strong adhesion to sound AAC Panel surfaces. Uni–Dry Cote® Aero Render is applied directly onto clean, dust and debris-free, dry and cured AAC Panel surfaces by trowel before being rubbed up to a true and even surface with a float. This product is workable at varying thicknesses from 2 to 4 mm.

Unitex® Uni-Dry Cote® Aero Render can be simply overcoated with any of the range of Unitex Applied Finishes coating systems such as factory tinted Uni-Trowel Décor 888 liquid texture or neutral Uni-Cote® 855 blended dry powder texture and after the texture coat is dry, a suitable factory tinted topcoat such as Uni-PTC can be applied.

Unitex® Uni-Dry Cote® Aero Render is supplied in ready-to-use 20 kg bags. Each bag allows up to 15 litres of wet render to be prepared by mixing the bag contents with approximately 4-5 litres of clean water and drilling for homogeneity.

Note: On very dry hot days, it is strongly recommended that the AAC surface be sealed with Unitex Cembond prior to Base Coat Renders being applied.

Unitex® Uni-Dry Cote® Polymer Render (Poly powder)

Unitex® Polymer Render is often used as a key coat over difficult surfaces, such as painted surfaces and as preparation for other Unitex® systems (ie Unitex® Base Board system, Uni-IB Board). This render comes in 19kg bags. This is a flexible cement modified acrylic polymer render, especially suitable for direct use over difficult and flexible surfaces, such as Unitex® Base Board and Uni-IB Board from the Uni-EIFS™ range (External Insulation Finishing System).

Quick Guide	
Product size:	19kg bags
Coverage:	8-10m²
Substrate suitability:	New & / or Old Brick, In-situ Concrete (Rough), Fibrous-Cement, Painted surface
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Polymer Render can also be used in applications where a ready-to-use patching, levelling or filling render is required. Due to its high polymer content and flexibility it can fill minor existing shrinkage cracking of the substrate, thus reducing surface cracking during render drying. Correctly installed expansion joints are still required to be determined for placement and installed by the Builder or Head Contractor. Expansion joints are to be installed regularly on all walling systems every minimum 6-8m and are to compensate for wall stress brought about by various factors (ie thermal stress, soil movement, frame movement, slab movement, and moisture shrinkage).

Note: Movement cracking of substrates is not prevented by surface renders.

Unitex® Uni-Dry Cote® Polymer Render™ can be used internally as well as externally. It is compatible for use on tiles, hard plaster or paint systems. This product is one of our strongest adhering and sealing renders. The product must be trialled on a test area first to confirm compatibility.

Unitex® Polymer Render (Poly liquid)

Unitex® Polymer Render is often used as a key coat over lightweight or flexible surfaces, especially FRC sheeting and as preparation for other Unitex® systems (ie Unitex® Base Board system, Uni-IB Board). This liquid render comes in 15litre pails and is modified prior to use with the addition of 5-10% cement powder under vigorous mixing. This is a flexible cement modified acrylic polymer render, especially suitable for direct use over difficult and flexible surfaces, such as Unitex® Base Board and Uni-IB Board from the Uni-EIFS™ range (External Insulation Finishing System).

Quick Guide	
Product size:	15 litre pails
Coverage:	8-10m²
Substrate suitability:	New & / or Old Brick, In-situ Concrete (Rough), Fibrous-Cement, painted surfaces
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Polymer Render can also be used in other applications where a ready-to-use patching, levelling or filling render is required. Due to its high polymer content and flexibility it can fill minor existing shrinkage cracking of the substrate, thus reducing surface cracking during render drying. Correctly installed expansion joints are still required to be determined for placement and installed by the Builder or Head Contractor. Expansion joints are to be installed regularly on all walling systems every minimum 6-8m and are to compensate for wall stress brought about by many factors (ie thermal stress, soil movement, frame movement, slab movement, and moisture shrinkage).

Note: All movement cracking of substrates is not prevented by surface renders.

Before using Unitex® liquid Polymer Render™ approximately 5-10% by weight of cement powder is added.

This will provide a faster setting time and thus quicker rain proofing. The amount of cement to be added depends on the prevailing weather conditions and the substrate environment. The cement added should be drill mixed immediately prior to application.

Unitex® Polymer Render™ and Poly liquid can be used internally as well as externally. It is compatible for use on hard plaster or paint systems. This product is our strongest adhering and sealing render. The product must be trialled on a test area first to confirm compatibility.

Unitex® Surface Applied Finishes

General Information

The range of Applied Finishes from Unitex® both liquid and powder based, will satisfy the most discerning Specifier and delight the most fashion conscious Homeowner. The choice of lightfast colours is extensive. If you are renovating or refurbishing and can provide us with a clean colour sample chip from the existing finish or, for a new project, you can show us the colour chart code you want - Unitex will match your sample to our extensive colour library.

The majority of our Finishes are ready-to-use, water-based products supplied in 15 litre pails. They contain quality graded fine mineral components and aggregates, together with non-absorbent extenders bound by a well-proven acrylic co-polymer. This combination of ingredients results in a tough, flexible finish with excellent adhesion to suitable substrates. A long life coating results from the strong binding power and product thickness.

The formulations are low-tack meaning that dirt pick-up is minimal. These products are also designed to be sacrificial with weathering effects, keeping the maintained coating appearance like new for years to come.

The application possibilities are wide-ranging, from exterior to interior walls and ceilings, balustrades, beams, columns and in-fill panels as well as entrances and lobbies. Unitex® Finishes are suitable for use over Unitex® prepared plaster, brick, cement blocks, FRC sheets, aerated concrete and renders and EIFS.

The Unitex® Textured Finishes range provides a protective and surface life for a minimum of 7-10 years, depending on coating thickness. We can even provide dry powder based (100% active) surface applied textured finishes - such as Unitex® 846 and 855. These products when applied give the same high quality, durable surface as their water-based counter parts. In this case you simply add the water, with drill mixing, immediately prior to application and then apply as for the ready to use products.

The feel of the surface you want is covered by our wide range of texture types, from fine-grained trowel-on surfaces to the coarser, heavy-texture roll-on finishes. If unsure of the feel you want we have free coated-samples for you to take away and compare at your leisure.

These surface coatings are both fire-resistant (tested to the Australian Standard AS1530.3) and waterproof (tested to the standard ASTM E514-90). They have good water vapour permeability which allows migration of water vapour (caused by condensation) from the substrate, whilst still maintaining a waterproof barrier to rain penetration. In the use of inappropriate damp course or full moisture barriers, at ground level, rising damp can occur and will cause delamination and staining of surface coatings and renders.

The water-based grades incorporate bacteriacides and fungicides in the recipes. These provide in-can preservation to prevent microbiological spoiling of the products.

Apart from the powder-based products, all of the Unitex® Finish grades are pigmented during the manufacturing process. This means that the colour is completely integrated through the entire film thickness. Thus the coating exhibits excellent colour retention and durability. The Unitex® Veneto 'old worlde' powder-based finish is supplied pre-coloured in a range of colours.

Note: All colours will fade to a lesser or greater extent depending on light-fastness of colours chosen.

Condition of Substrate

Any crumbling, loose or damaged substrate render must be removed and the surface patched and made good prior to coating. All surfaces must be dry, free of grease, oils, dirt, dust, and masonry salt laitance. Pre-painted surfaces must have flaking paint wirebrushed back to a sound substrate. Unitex® recommends a base coat of a pigmented substrate sealer (2 coats) over old renders prior to application of the surface finishes. If patching Unitex® Textured Finishes it is recommended to re-coat the entire wall section from joint-to-joint or from corner-to-corner before applying Uni-PTC, as some variation to original will generally result.

Dry substrate means WME =<12% measured with moisture meter. eg. promiter

Applications should not be carried out when the ambient temperature is, or is likely to be during the requisite drying period, below 10^{0}C or above 35^{0}C. The wall surface must be dry and the finish must be protected from rain, condensation, and frost until dry.

Packaging

The ready-to-use water based Unitex® Finish products and dry-powder Unitex® Veneto and Uni-Rock are all supplied in 15 litre pails, with the exception of the 10 litre Tanami. Each pail has a label with a unique code identifying the particular texture type, colour and batch number. This coding ensures that if you require additional product (i.e. to finish off a job), Unitex® can easily match the texture and colour to the original. Best practice is to order 100% of site requirements in one order for peace of mind.

The pails have a strong sealed lid to prevent spillage if they should tip over before opening. Even after opening the lid still fits tightly enough when re-sealed to prevent contamination of the remaining product. The pails are packed 32 to a pallet.

The powder-based products (846 and 855) are supplied in multi-walled paper sacks stored 60 bags to a pallet.

Coating over Unitex® Renders

All substrate surfaces must be dry (measured WME <12%) or a minimum of 72 hours is required in standard conditions (25^{0}C at 50% relative humidity) for through-dry and cure of the render before applying the Unitex® Finish coat. The substrate must be clean (refer to 'Conditions of Substrate') before applying the finish coat. If multi-coats are desired then a minimum of 72 hours (must be dry) between each coat is required.

Note: In some dry weather conditions a Unitex® Cembond Substrate Sealer is advised prior to the Unitex® Textured Finish, and is required in all cases over Sand/Cement renders.

Note: It is essential site sample walls are completed by the applicator for the client on site to sign off for approval prior to project commencement. This should be appropriate to substrate, and the complete Unitex® recommended finished system.

Unitex® provides samples for colour and texture to all of our customers upon request, for their clients prior approval. This protects the applicators and the customer from costly colour, texture and applicator quality disputes.

Uni-Roll Décor™

As the name implies, the products in this range of the Unitex® Finishes are applied by roller. They can also be spray applied to give a smoother finish or to reduce the application time on larger jobs.

The heavier texture provided by roll-on coatings are ideal for application over irregular or roughly finished surfaces. They also provide for excellent hiding of shrinkage cracks with just one coat. Typical coverage is 16-18m^2 per pail for fine texture and 8-10m^2 per pail for heavy texture. Coverage rates vary with the surface condition.

There are three grades of Uni-Roll Décor. Unitex® 109 is a medium-coarse grade, whilst the heavy-coarse grade is Unitex® 110 and satin grade is Unitex® 011 Membrane. These are products best used by painters experienced in the application of roll-on textured finishes. All provide the same ease of application for experienced trades people and have the same colour range capabilities. Different roller sleeves can also help provide different effects.

Uni-Trowel Décor™

This range of Unitex® Finishes are designed for trowel application. The products in the Uni-Trowel Décor™ range can be applied as a single coat.

The 'flatness' of the surface finish, achieved with Uni-Trowel Décor products means that it is able to withstand hard knocks. This makes these products ideal for residential walls as well as heavy-traffic areas, stairwells and exposed wall areas.

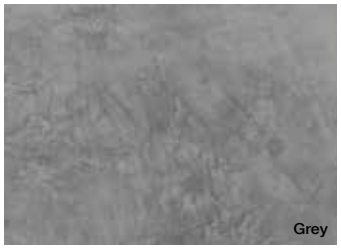
There are many grades of Uni-Trowel Décor Finishes in order, from coarsest to finest, they are: Unitex® 165, 104, 777, 888, 500, 333, and 146. Coverage rates vary considerably with the surface condition and absorption effect. Typical coverage rates are 8-12m^2 per pail.

Unitex® Uni-Dry Cote® Uni-Rock™

Unitex® Uni-Dry Cote® Uni-Rock is a premium product specially formulated to be applied as a thin, smooth, and tight finish. A cementicious blended powder that when mixed thoroughly with water, can be trowel applied in thin layers walls to produce a smooth, concrete-like applied effect finish. **Uni-Rock is designed for use over Unitex Polymer Render Wet.**

The smoother the surface the more difficult to apply correctly, Unitex advises that this product be applied by professional Applicators experienced in such product application.

Unitex® Uni-Dry Cote® Uni-Rock is available in four "concrete-like" shades: deep grey, grey, white and off-white. Uni-Rock, also known as 'Glassface', can be beeswaxed coated for internal feature walls staining and gloss level effects. Uni-Rock is Dry-Seal compatible. Typical coverage rates are 15-18m^2 at 1mm thickness per 15L pail (15kg powder form).



Note: Uni-Rock is not suitable over AC Sheet, Base Board or other flexible substrates.

Unitex® Tanami

Unitex® Tanami is a premium product that gives the appearance of a polished plaster 'moving' wall.

Inspired by the Tanami Desert in Northern Australia, an Indigenous protected area known as Kukatja and Walpiri country, Unitex® Tanami gives the feeling of the arid, constantly changing, and beautifully imperfect Australian desert.

A technologically advanced flexible product that only requires 2 to 3 coats, instead of the traditional 5 coats*, and adaptable to any desired look (including 3D effects) on both internal and external walls. The best product to apply on the market today with no need to add other components or mix, it is designed to be used straight from the pail.

In an easy to carry 10 litre pail, Unitex® Tanami covers 16m^2 per coat. Only suitable for qualified Solid Plasterers experienced in the application of fine and polished finishes.

*Compared against traditional Marmarino and Venetian finishes

Unitex® Tanami can be used to create a wide range of effects such as:

Unitex® Tanami is available in these select Unitex colours:

Unitex® Uni-Dry Cote® Veneto Mineral Coloured Finish

Unitex® Veneto Mineral Coloured Finish weathers to achieve a patinated 'olde worlde' effect. Designed specifically for skim coating of prepared masonry surfaces to yield a fine sand decorative internal or external feature wall, it is a perfect match for Unitex DrySeal hydrophobic sealer.

Veneto is pre-coloured with durable oxide pigments in a dry powder form that are mixed with water and applied over a cembond sealed Unitex Render. With a sandy ochre finish, Veneto 828 Mineral Coloured Finishes do not need to be overcoated with an acrylic topcoat. To achieve the desired 'old worlde' effect over a Unitex Cembond sealed masonry surface, simply trowel the Unitex Veneto to the required depth and then sponge finish.

Unitex Veneto is not suitable for use over Base Board or FC Sheet substrates.

Khaki	White Birch	Black Pitch	Grey Clagg	Hog Bristle	Chocca	Hilltop
Cotta	1/2 Hog Bristle	Uni Haze	Parchment	Primero	Rust	Beige Royal
Peachy	Rhino	White Swan	Barnyard	Beach	Papyrus	Olive
Merriwee	White	Athol	Grey Pebble	Light Grey	Liberty Grey	Traditional Grey

Unitex Uni-Cote™ (Dry Powders) Applied Texture Finishes

These unique powder finishes are dry powder-based products. They are a cement-based blend of fine marble, quality-graded mineral and polymeric additives to provide a 100% active product. On-site, all that has to be added is water to provide a ready-to-apply finish.

Quick Guide	
Product size:	20kg bags
Coverage:	8-12m^2
Substrate suitability:	Unitex Speciality Renders
Application tools:	Trowel
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

The amount of water to be added depends on the surface and environmental conditions at the time of application. The degree of slump required governs how much water is added.

Unitex® recommend that an amount of water, equal to approximately 25% of the volume of the products being used, be added to a suitable container. The products are then added slowly with vigorous drill mixing to the water until the desired lump free slump (consistency) is achieved.

After preparation of the wet ready-to-use mixture, the products have the same characteristics as the Uni-Trowel Décor range of finishes.

The Uni-Dry Cote Texture Range are usually not pigmented products. They dry on the surface to a 'cement-off-white' colour. The desired topcoat colour is achieved by application of a pigmented protective membrane from Unitex such as Uni-PTC.

Unitex® DrySeal Hydrophobic Sealer

As seen on Channel Nines hit tv show, The Block, Unitex DrySeal is a penetrating clear sealer designed for use over porous, dry textured surfaces, such as Unitex Veneto, Dry-Texture Range and Uni-Rock.

Dry Seal provides an excellent hydrophobic water pearling/ beading effect, forming a physical barrier to water and migration while maintaining substrate breathability.

Unitex Uni-PTC

This flexible product is designed to provide a pigmented final top coat on Unitex systems. Two coats are generally required which not only protect the surface from aggressive environments but also enhance the beauty of the finished construction.

In all substrate conditions it is best practice to use a Unitex Cembond Sealer coat prior to Base Coat renders, and finished with two coats of Uni-PTC.

There are two PTC surface finishes available, Matte and Satin. These are similar in their ability to protect the Unitex Coating System from normal weather conditions. They are based around acrylic co-polymer dispersion binders combined with synthetic extender and surface additives and very fine graded quality fillers.

For best results and longevity, dirt and dust build up on surfaces should always be reguarly washed with warm, soapy water by the property owner.

Quick Guide	
Product size:	15L pail
Coverage:	35-45m^2 (in 2 coats)
Substrate suitability:	Unitex Surface Applied Finishes
Application tools:	Brush or Roller
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex Cembond Substrate Sealer

Unitex® Cembond Substrate Sealer is a substrate conditioning treatment and is based on a pure acrylic polymer in a water emulsion specifically formulated for compatibility in the highly alkaline cement environment as a sealer or for cement modification.

Cembond Substrate Sealer is applied to porous masonry surfaces to even out and reduce the porosity (absorption) and create a seal for the later applied coats. This ensures improved adhesion between layers, improved durability of later coats, and evenness of the coating system.

Quick Guide	
Product size:	15L pail
Coverage:	50-70m^2 (depending on substrate absorbency) 30-40m2 for AAC substrate
Substrate suitability:	All absorbent masonry surfaces
Application tools:	Roller and Spray
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Cembond Substrate Sealer is for exterior and interior use and offers resistance to early hydrolysis and rain penetration into the substrate. Unitex® Cembond Substrate Sealer can absorb up to 5mm into very porous surfaces.

Unitex® Cembond Substrate Sealer is compatible with all Unitex® acrylic renders and surface applied coatings.

Unitex Uni-Substrate Sealer

Unitex® Uni-Substrate Sealer is a coloured substrate coating and is based on acrylic co-polymers in a water emulsion specifically formulated for compatibility in the highly alkaline cement environment as a colour matching sealer.

Unitex® Uni-Substrate Sealer is applied to masonry rendered surfaces to provide colour uniformity to the subsequent Unitex® surface applied finishing coat, and is coloured to match the shade of Unitex Texture chosen.

Typically used to hide substrates varying colours, and varying absorbency.

Quick Guide	
Product size:	15L pail
Coverage:	40-50m^2 (depending on substrate absorbency) 30-40m^2 for AAC substrate
Substrate suitability:	All absorbent masonry surfaces
Application tools:	Roller and Brush
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex Uni-Flex Membrane

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 evenness 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-Roll 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.

Quick Guide	
Product size:	15L pail
Coverage:	15-20m^2 textured
Substrate suitability:	All absorbent masonry surfaces
Application tools:	Roller and Brush
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex Restoraflex

Unitex® Restoraflex is designed for use as a repair primer over suitable weathered rendered walls where small, stable hairline cracks are evident.

The good adhesion and flexible/elastic properties of Unitex® Restoraflex can often bridge the hairline cracks to provide a continuous, coherent and stable surface for applying top-coats such as Uni-PTC™ and Uni-Flex™ Membrane.

Unitex® Restoraflex will fully surface seal dry, already rendered masonry walls and prevent bleed through of moisture and oil stains. When used within these limitations, the appearance of textured and coated walls will look as-new when Unitex® Restoraflex has been used as the repair primer.

Quick Guide	
Product size:	15L pail
Coverage:	30-40m^2
Substrate suitability:	All absorbent masonry surfaces
Application tools:	Roller
Dry time:	Minimum 72 hours after application, <12% WME.
Safe Use:	Refer to the SDS

Unitex® Restoraflex will not bridge large cracks occuring due to structural movement or fill any holes in the render or cementitious substrate. Fillers, mastics and repair mortars from Unitex® are recommended for where there is significant damage to the wall surface. Also, Unitex® Restoraflex cannot repair renders that are lifting away or flaking off the wall structure. In these cases, the offending render must be removed mechanically and the wall needs to be rendered again, this time, using the appropriate Unitex® coating system.

Unitex® Coating Cleaning

Regular assessing and cleaning of the wall surface should be completed every 6 months.

The build up of airborne pollutants and grime and dust will reduce the life-span of the coated surface finish. Properties close to salt water will require a regular wash down, as airborne salt will build up on surfaces.

Regularly check the wall surfaces to ensure the expansion joints and sealants display no cracking which dould allow moisture ingress. If there is cracking or missing sealant, it will need to be repaired or replaces immediately. Typically sealants are used in expansion joints, or where two different substrates meet, such as brickwork next to Base Board Systems.

Exterior walls can be washed down with a hose on low-pressure (less than 450psi) or using a powered hose, with the head set to a wide fan shape at a 45 degree angle from the wall. Powered hose heads should be a minimum of 300mm from the surface, preferrably tested in a non-critical area, to avoid potential deformation of the coating. Where possible use low pressure to minimise risk.

Surfaces can be cleaned with a soft brush or sponge, and warm soapy water in a bucket.

Staining or pitting of the surface should not be scrubbed, especially with a hard brush, in an attempt to remove, as this may exacerbate the issue. Instead, contact a Unitex Technical Representative to assess the cause of the staining and appropriate course of action.

Areas with minimal slope to allow water movement, such as parapets, tend to hold more dirt, and as such, should be checked and cleaned. Checking reguarly will reduce the potential for mould.

Walls with damage that must be repaired, will require full edge to edge, top to bottom coating for colour and texture consistency. Cracking may be a result of structural shift or thermal expansion. It is best to discuss these situations with a Unitex Technical Representative.

Unitex® Renders & Finishes Product Selection Table

Substrate	Preparation	Base Coat
Unitex® Uni-Base Board	Polymer Render¥ & Uni-Mesh (250mm) to sheet joints. Polymer Render & metal angles to all external corners. Polymer Render to all recessed fixing washers.	Unitex® BBR (to min 5mm thickness over washers and base-board). Unitex® Polymer Render¥ as final base coat if using Tanami.
Unitex® Uni-IB Board	Full surface Polymer Render¥ or Base Board Render and imbedded 1m overlapped Uni-Mesh. Polymer Render & metal angles to all external corners.	Unitex® BBR (to min 5mm thickness). Unitex® Polymer Render¥ as final base coat if using Unitex® Tanami.
New Brick, Old Brick, Seconds, Concrete Blocks	Must be dry and sound surface. Remove all loose and powdery surface laitance. Polymer Render & metal angles to all external corners. Cembond as required.	Unitex® HiLite, Fast-R Render, Beach Render or Redi Render. Unitex® Polymer Render¥ as final base coat if using Uni-Rock or Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Veneto§
Bagged Brick, Painted Brick, Painted Concrete, Glazed Brick	Must be dry and sound surface. Remove all loose and powdery surface laitance. Polymer Render & metal angles to all external corners. Cembond as required.	Unitex® Polymer Render¥ as key coat followed by HiLite Render, Redi Render, Beach Render or Fast-R Render (if required for build). Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Veneto§
Insitu Concrete	Remove dust, building debris, form oil, grime and laitance. Must be dry prior to over coating. Polymer Render & metal angles to all external corners. Cembond required.	Unitex® Polymer Render¥ for smooth non-porous surfaces. Fast-R or HiLite Render for rough air-hold surfaces. Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
Pre-cast Panel	Remove all form oils or bond breakers. Clean as above (Insitu Concrete) then patch holes with Unitex® Panel Patch. Cembond required.	Unitex® Cembond Substrate Sealer (if surface is not acceptable for texture application use Unitex® Polymer Render¥ as key coat followed by HiLite Render, Beach Render or Fast-R Render (if required for build).) Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
Fibrous-cement Sheeting	Clean as per New Brick (above). Apply Uni-Mesh over butt-joints and into Polymer Render¥. Leave all Builder expansion joints open. Cembond as required.	Levelling and smoothing coat/s of Unitex® Polymer Render¥.
Rendered Wall (sand/cement)	Must be dry and sound surface. Remove all loose and powdery surface laitance. Cembond as required.	Pigmented substrate sealer (multiple coats as required). Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
Textured Walls (sound)	Must be dry and sound surface. Remove all loose and powdery surface laitance. Cembond as required.	Levelling and smoothing coat/s of Unitex® Polymer Render¥. Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
AAC (Porous Blocks or Panels)	Remove dust, building debris, grime and laitance with a thorough water wash down. Leave to dry and heavily seal with Unitex® Cembond Substrate Sealer using long nap roller.	100mm Uni-Mesh IM to all panel-to-panel joints, embedded in base coat Unitex® AERO Render. (Full mesh to 50mm AAC) Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
Tiled (sound)	Must be dry and sound surface. Remove all loose and powdery surface laitance.	Levelling and smoothing coat/s of Polymer Render¥. Unitex® Polymer Render¥ as final base coat if using Unitex® Uni-Rock or Unitex® Tanami. Unitex® Cembond Substrate Sealer as final base coat if using Unitex® Veneto§
Weatherboard	Remove the boards and then treat as per Unitex® Base Board (Cavity or Non-cavity) or Unitex® IB Board (Cavity or Non-cavity)	
Old Worlde (lime) wash	Wash down with clean, warm water. When dry, soak seal with Unitex® Cembond Substrate Sealer. (long nap roller)	If required, Unitex® Polymer Render¥ as key coat and Unitex® Fast-R or BBR as build coat. Unitex Polymer Render is essential for applications of Veneto

¥ POLYMER RENDER always with 5-10% cement added homogeneously. § Recommended for professional use only on perfect substrates.
^ Applications should not be carried out when the ambient temperature is, or is likely to be during the requisite drying period, below 10°C or above 35°C.
† A small number of ultra bright or ultra dark colours can not be satisfactorily matched
Note: Substrates are to always be dry at application stage and remain dry after application from interstitial water etc (i.e. damp courses in place and not to be bridged).

Texture	Top Coat	Comments
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Tanami. Substrate not suitable for Uni-Rock and Veneto	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Uni-Trowel Décor are liquid pre-coloured. Nill top coat over Unitex® Tanami
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Tanami. Substrate not suitable for Uni-Rock and Veneto	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Uni-Trowel Décor are liquid pre-coloured. Nill top coat over Unitex® Tanami
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Unitex® 146§, 777, 333, 104, 165 and Granular Marble are Trowel applied. Unitex® 110, 109 and 011 are Roller applied. Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Use the Cross-hatch Test procedure to confirm adequate removal of unsuitable and loose paint before applying any base render. Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	For high-build (>10mm) use Polymer Render¥ as the primary key coat followed by HiLite or Fast-R Render to give the desired thickness. Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Do not texture over expansion joints and sealant mastics. But may be coated with Uni-PTC (test area first for approval). Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Tanami. Substrate not suitable for Uni-Rock and Veneto	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines	Expansion joints (incorporating approved sealant) to be set by the Builder/Engineer. Unitex® recommends regularly and/or minimum every 6-8m and between levels. Nill top coat over Unitex® Granular Marble or Unitex® Tanami
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto. Caution: Sand/Cement render can give rise to efflorescence due to rising damp etc
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto. Ensure adequate expansion and control joints.
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Optional: Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Confirm application approval from the substrate manufacturer prior to site works. Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Trowel Décor range, Roll-on 109, 011, Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami, Unitex® Veneto§	Uni-PTC, Uni-Flex Membrane. Colour to match. Sealer & 2 top-coats, or as site determines.	Apply test area for adhesion approval by Builder. Expansion and control joints are recommended. Nill top coat over Unitex® Granular Marble, Unitex® Uni-Rock, Unitex® Tanami or Unitex® Veneto
Unitex® Veneto§ pigmented powder finish (modified mineral coating). Best results in 2 coats (first and top).	Sponge finished Unitex® Veneto§ top coat	24-48 hours after application and through-dry, spray drench wall to wash out unreacted components. Prior test finish with cross hatch/scrapper.

Coating with Unitex® Renders and Finishes

Substrate Preparation

Before applying the coating it is essential that the substrate is properly prepared. Strong adhesion of the render or textured coating, to the substrate, can only be achieved if the surface of the suitable substrate is clean, dry and well bound.

If the substrate has been previously coated, it is very important that any loose render, flaking paint, etc adhering to the surface is wire brushed and then swept to ensure no loose particles remain. The surface should then be washed with clean water to remove any dust still present on the surface. Allow to dry before applying your Unitex® product.

Similarly, if the surface has any oil, grease or any other oil-based compound adhering to it, this contamination must be removed before applying your Unitex® product. Typically oils and grease on the surface can be removed by scrubbing with household detergent and warm water. The surface must then be washed down with clean water to remove any traces of detergent, before applying the coating.

In the case of absorbent, poorly bound or over-worked render the Unitex® approved, Unitex® Cembond Substrate Sealer will need to be applied prior to Texture coating. Poorly adhering base render must be removed first. Cembond must be applied prior to rendering insitu concrete and precast panels.

If coating over an existing render with the Unitex® Décor range of products, the render surface must be made good before applying the textured coating. This means that any loose or damaged render must be removed and patched prior to coating with the textured finish. In this case, for increased adhesion strength and background colour, Uni-Substrate Sealer (coloured to match top coat) will need to be applied prior to the Unitex® Texture surface applied finish.

If old masonry (concrete or brickwork) shows efflorescence or scaling laitance then this must be physically removed as a first step. The cause of the salt 'bleeding' should be investigated and steps taken to prevent its recurrence prior to applying your Unitex® coating.

In addition to preparing the substrate so that it is clean and dry (no moisture in the substrate behind the coating), it is also important that the builder nominate and set the expansion/control joints for the applicator before the coating is applied.

Expansion/control joints are the responsibility of, and will be provided by, the Builder or Head Contractor. Unitex® recommends, as a mimimum, expansion joints (approximately every 6 metres) to every elevation and between different substrates, to allow for building movements and stresses. On broad walls, Unitex® recommends vertical expansion joints as a minimum every six metres and horizontally between all floor levels. Also allow for extra expansion joints at weak points such as Bulkheads, at window and door openings, and internal corners.

If such expansion joints are not provided by the Builder or Head Contractor, cracking and delamination of the render and/or surface coating, due to movement, may occur. This is not indicative of faulty material but of sub-standard building practice. Unitex® quality Renders and Finishes will not bridge later or continuing substrate cracking.

The Builder or Head Contractor is also responsible for the construction of the framing and substrate. They are to be constructed according to the relevant Australian Standards. Failure to do this may result in cracking of the render or finish. Again such cracking is not an indication of faulty product. Substrate movement may be caused by many factors such as timber shrinkage, ground movement, substrate stresses, surface and thermal movement etc. Unitex® recommends the use of Unitex® complete systems without substitution for quality assurance.

Tools required

(Available from Unitex® and Unitex® Render Warehouse)

These tools are required for varying products and over different substrates. Talk to Unitex® to discuss your requirements.

Applying the products

Before and after applying the Unitex® Render or Unitex® Texture

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 Unitex® Render, Texture or Paint splatter. Drop sheets should also be used where required (roof and floor tiles, pavers, downpipes etc). In multi-level projects involving scaffolding, all windows and surrounds and ajoining surfaces must be protected from the work station to the ground level to prevent lower splatter from scaffolding etc.

For applied surface finishes and masonry paint finishes, applications should not be carried out when the ambient temperature is, or is likely to be during the requisite drying period, below 10°C or above 35°C.

After the surface application has been completed and is drying, you must inform the builder that the fresh coating will not be fully dry, for in some cases, more than 14 days, and therefore must be protected by the builder, and any subsequent trades.

If the project is to be completed in stages, do not apply different batches/orders to the same wall face. Finish each wall edge to edge and top to bottom, per order/batch number.

Spray Application

Spray application is principally, but not exclusively, used for the application of dry powder-based renders. The required slump (consistency) is determined in the mixing chamber of the spray machine. The water flow, from mains connections, is regulated at the mixing chamber.

Unitex® can recommend suitable render spray machines. They are robust but compact, easily transportable and small enough to pass through standard door openings and can be used inside and outside. They can be used as mixers only or as a mix and spray machine. The pump pressure, aperture of the nozzle, and the consistency of the render determines the thickness applied.

The spray pattern can be in any direction. Whether you use it in a mainly vertical, horizontal or any other pattern depends on the geometry of the surface and the preference of the applicator. Generally, when spraying render, you work from the bottom up and horizontally.

As to how far from the wall the nozzle should be held, this is not a fixed distance. It is largely determined by the degree of 'bounce-back' of the render. If there is a significant amount of bounce-back then the spray pressure should be reduced or the nozzle held further back from the surface.

When using a spray application for Unitex® renders it is important that a minimum three-person team be available. Whilst one operator is intermittently keeping up the supply of render (out of the mixing chamber), and the second spraying the surface, the third and others should be following immediately behind the sprayer to trowel off the surface to smooth it over and keep the surface render 'true'. The machine operator has time to mask up and prepare scaffolding ahead of the sprayer.
The operator must understand and care for the machine and carry out daily thorough cleaning and maintenance.

Note:
Building regulations 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.

Trowel Application

For application of key coat renders on difficult substrates, Unitex® recommend that the initial trowelling at least be done with a notched trowel. This trowel spreads the render more evenly than straight-edged trowels. The surface can then be finished off with a flat (straightedged) trowel. This finishing is best done with a polystyrene, plastic, or steel trowel. Unitex® can supply all of your trowel requirements.

The trowelling can be done in a vertical, horizontal or sweeping action. The preference of the tradesman is the determining factor, so long as it produces an even, tradesman-like finish.

Roller Application

For heavy texture applications the best type of roller to use is a 'spaghetti' roller. This gives a stipple finish. This is a two person application – the first to give even coverage spread and the second to produce the desired effect.

Brush Application

A standard paintbrush can be used for brush applications. The only usual situation requiring paintbrush application is for the cutting-in of the flexible membrane coating (Uni-PTC or Uni-Flex Membrane) around windows, doors and edges.

In the standard 3 coat system (sealer and two top coats), cut in first with brush, and then roller apply away from these edges to coat the rest of the wall. Before the application of the final coat of Unitex Masonry Paint, roller close to the edges first and then cut in with a brush out from the rolled edges. Following a minimum 24-hour drying time, apply the second final coat.

Cleaning Up

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

Unitex® Finishes Swatches

The performance of Unitex® Renders and Finishes is equalled by the Unitex® production team's ability to bring your dream to life. Simply provide a colour chart or paint chip and Unitex® will match the finishes below to the colour of your choice†. Unitex® recommends customers order a 1L sample pot from Unitex® of the chosen colour and texture, and it be applied in the complete Unitex specified system to an on site wall test area for customer approval prior to emailed full order.

† A small number of ultra bright or ultra dark colours can not be satisfactorily matched.

Specifier's Clause

The specified Unitex Textured Finish surface coating system [specify here], over the Unitex Render Base Coat of [specify here] shall be applied in accordance with written specification, with nil substitution.

Building Plan Clause: Unitex® Applied Coating System as per written specifications

YOUR WALLS OUR PRIDE

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