



Unitex®

YOUR WALLS
OUR PRIDE



UNI-SHAPE ARCHITECTURAL PROFILES & COLUMNS

USAGE & INSTALLATION GUIDE

UNITEX® UNI-SHAPE ARCHITECTURAL PROFILES AND COLUMNS

Unitex® is the original Architectural Profile and Column manufacturer in Australia and has been instrumental in providing Architects and Building Designers with quality façade design choices and innovation for over 25 years.



Why choose Unitex® Architectural Profiles and Columns?

- Products are lightweight and can be installed to all modern surfaces as well as masonry
- Easy installation - suitable for Builders and Carpenters (i.e. mechanical fixing and edge sealing etc)
- Custom-designed and features made to order
- Drawing and product design service
- Cost effective solution for heritage, renovation and also new projects
- Comprehensive Unitex installation manuals
- Mouldings are available for use in BAL-40 areas

Designers and Architects

- Complete range of Architectural Mouldings and Columns
- Custom design and manufacture
- Samples of custom designs and stock products for your clients' approval
- Specially designed to suit non-standard surfaces
- Longevity and durability (lightweight cement based mouldings will last the life of your building)
- In-house shop drawings and CAD drawings on request
- Suitable for heritage building projects
- Architectural representative available for all your enquiries

Builders

- Plan estimation and quoting service
- In-situ applied samples for approval prior to manufacture
- Site technical service to aid installers in specified procedures
- Complete range of Architectural Profiles and Columns to suit all surfaces and designs
- Extensive applicator network
- Comprehensive Unitex installation manuals for correct cutting, drilling and installation
- Complete product range for correct installation (packers, fixings, mastic, patching compound, backing material etc.)
- Complete colour range of Unitex® Protective Top Coat (PTC)
- Complete render, texture and protective surface coating/paint system from one supplier for surrounding wall surfaces
- Insulating and high-build renders also available for surface levelling
- One warranty for complete system signed by Applicator and Unitex®
- Technical site service to aid in selection of appropriate Unitex® products for in-situ substrates

New Homeowner and Renovator

- Reputation - found on Australia's most exclusive and detailed projects
- Appearance - add appeal and value to your new home or renovation
- On-site quotation service
- Samples
- Unitex® product and Applicator installation warranty for peace of mind
- Unitex® Sales & Customer Care staff are available for technical enquiries
- Reliability - 30 year defect-free product manufacturing history

Unitex® recognise that fashions change and colour schemes evolve constantly. Therefore, systems and products can be readily updated and almost any profile and style matched.

Unitex® Uni-Shape Mouldings are also available in bespoke Void Free formats for highest possible fire ratings. Standard Uni-Shape Mouldings are suitable for use on BAL-40 rated walls.

Who is Unitex®?

Unitex® is proudly an Australian manufacturer, utilising local technology with our own in-house chemists, designing innovative products suitable for the Australian market. Unitex Australia Pty Ltd is a Sto SE & Co. KGaA subsidiary, with the founding directors continuing to lead the company in day to day operations.

Unitex® is considered by Australia wide industry experts as the premier product coatings system for external façades. This has been achieved by a 30 year history of coatings, mouldings and insulation cladding (EIFS) for award winning commercial and housing projects nation wide.

Our customers value the technical on-site expertise of our in-house Technical Sales staff. With over 50 years knowledge and hands-on experience from the senior team, this know-how assures our customers of guaranteed quality and service across the entire Unitex® range.

What are Zebra Mouldings?

Zebra Mouldings are a Unitex brand of speciality products available through the Unitex and Zebra websites. Visit www.unitex.com.au or www.zebrasite.com.au

Uni-Shape Window Mouldings – Overview

Uni-shape exterior Architectural profiles are made either solid or with a lightweight centre with a reinforced coating of pure resins and cementitious mineral components. Lightweight, Australian made and hand finished to be of a superior quality and durability, and allow quick and easy installation.

Uni-Shape Window Profiles come in a light-grey cement colour and are acceptable as masonry features. They are to be surface coloured with Unitex® Uni-PTC to suit decorative specifications.

Below are our standard Uni-Shape Window Mouldings. Unitex® also offer custom designed, sizes and shapes to meet customer needs.

WA1052 (26mm x 100mm)



WA2052 (33mm x 132mm)



WA2056 (30mm x 85mm)



WA2057 (20mm x 110mm)



WA2058 (45mm x 130mm)



WA2059 (30mm x 85mm)



WA3052 (30mm x 92mm)



WSt3091 (40mm x 72mm)



WSt3093 (21mm x 46mm)



WSt3094 (40mm x 64mm)



WA4063 (32mm x 100mm)



WA4061 (48mm x 151mm)



WA4064L (50mm x 150mm)



WA4064S (35mm x 100mm)



WSt4092L (46mm x 65mm)



WSt4095 (47mm x 63mm)



Uni-Shape Window Sills

WS2071 (80mm x 154mm)



WS2072 (60mm x 123mm)



WS2074 (60mm x 120mm)



WS2075 (75mm x 126mm)



Uni-Shape Parapet Mouldings – Overview

Uni-Shape Parapet Mouldings come in a light-grey cement colour and are acceptable as masonry features. They are to be surface coloured with Unitex® Uni-PTC to suit decorative specifications.

Below are our standard Uni-Shape Parapet Mouldings. Unitex® also offer custom designed sizes and shapes to meet customer needs.

PP2081 (145mm x 272mm)



PP2082 (160mm x 204mm)



PP2083 (158mm x 205mm)



PP2086 (142mm x 210mm)



PP3081 (118mm x 208mm)



PP3085 (65mm x 153mm)



PP3086 (88mm x 170mm)



PP3087 (115mm x 138mm)



PP4188 (220mm x 230mm)



PP4189 (120mm x 125mm)



EP4181 (180mm x 220mm)



EP4182 (220mm x 235mm)



EP4183 (170mm x 220mm)



COMMERCIAL PARAPETS

CP2085 (155mm x 255mm)



CP4086 (30mm x 250mm)



CP4087 (120mm x 250mm)



CP4088 (40mm x 172mm)

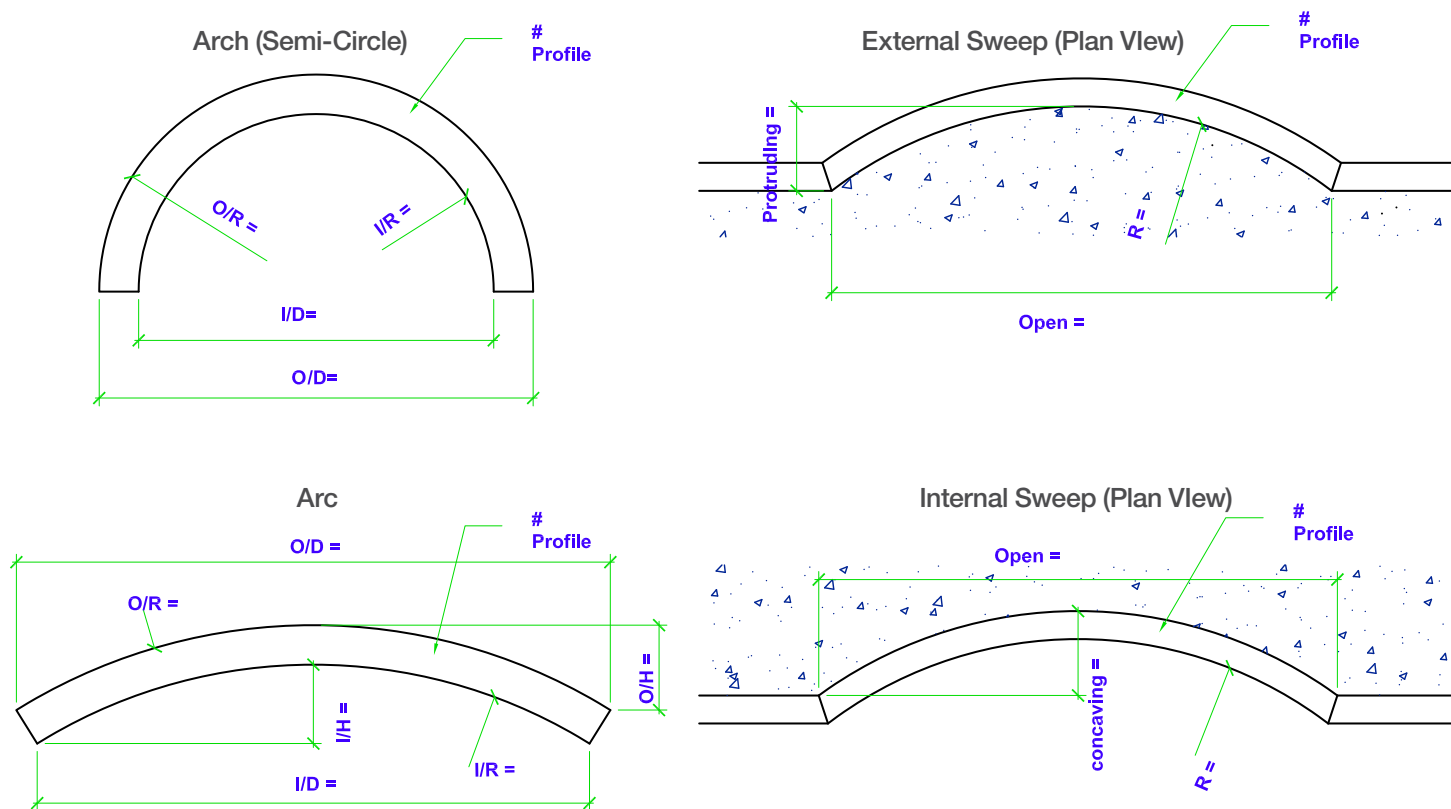


CP4089 (75mm x 270mm)

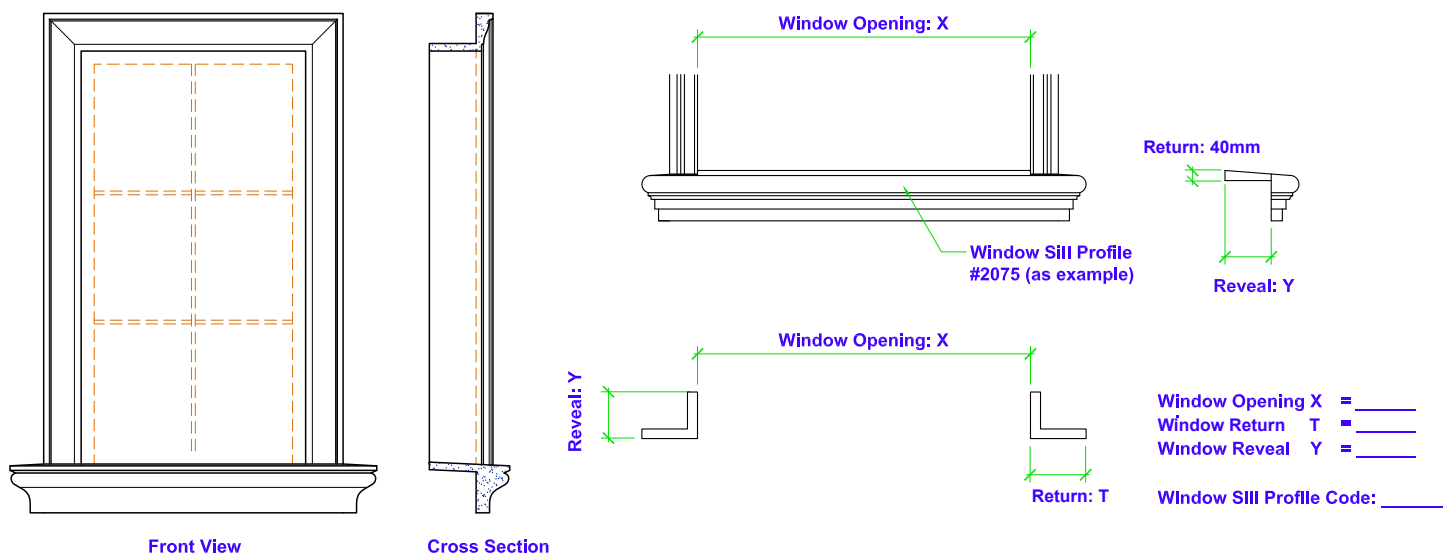


Custom-made or bespoke Arches, Arcs, Sweeps, and Window Sills with reveal

As the Australian market leader in bespoke architectural profiles and columns, Unitex® offers you a simple guide (below) for how to measure and order these popular and highly sought after decorative features. Using this guide, carry out your site measure by simply filling in the blanks and email this with your request for quotation, or order, to Unitex® (sales@unitex.com.au).



Pre-Assembled Window Reveal System



Note: For best results, also create a template with measurements and provide to Unitex® as site situations can vary from plans. Templates can be fully cut and prepared from plywood, or measured on cardboard, and/or waterproof paper. Unitex will only manufacture from your provided measurements and templates.

Standard and bespoke Columns, Quoins, Wall & Fence features

Unitex® Columns, Fencing and Wall Features are non-load bearing and easy to assemble with all installation tools and accessories available at Unitex®. The drawings below are just some of our standard range. For the full ranges, visit www.unitex.com.au



Square Fluted Columns

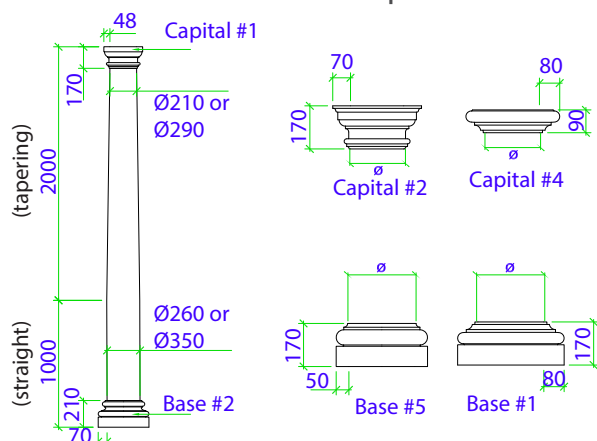
Square, Square Bellied or Square Tapered Columns

Round Fluted Columns

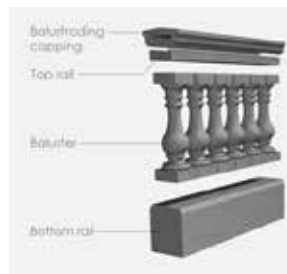
Round, Round Bellied or Round Tapered Columns

Columns available in 260 and 350 diameter by 3000mm tall. Custom diameters and heights by request.

Columns with Capital & Base



Balustrading System



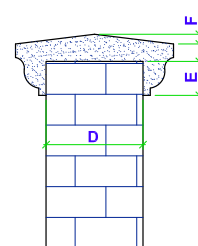
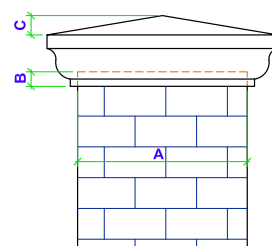
655 Baluster 590 Baluster



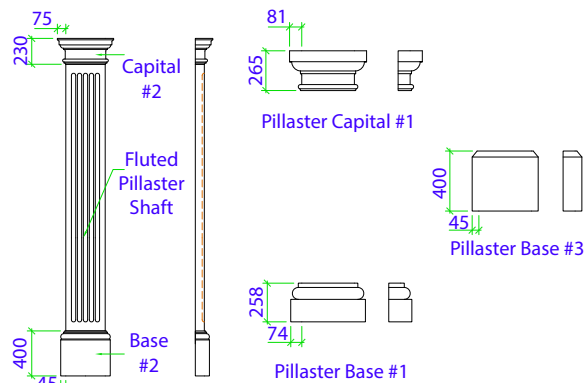
Unitex Pier Cap & Fence Capping

Pier cap to suit Square or Rectangular Piers

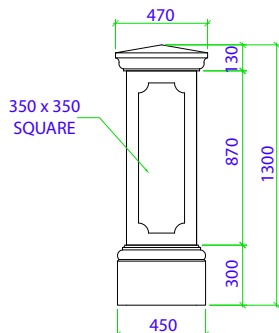
Fence Capping to suit Fence Width



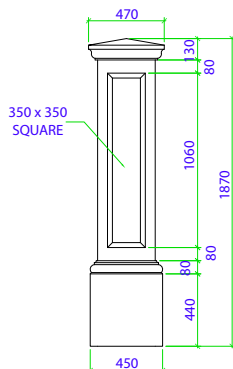
Pilasters with Capital & Plynth



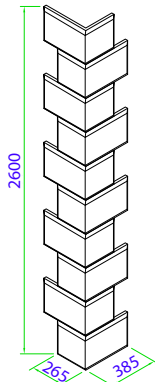
Fence Pier FP1300



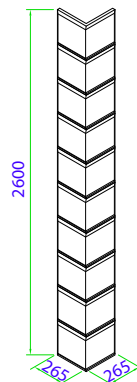
Fence Pier FP1870



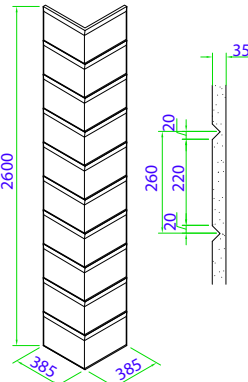
Quoin QOS 385



Quoin QS 265

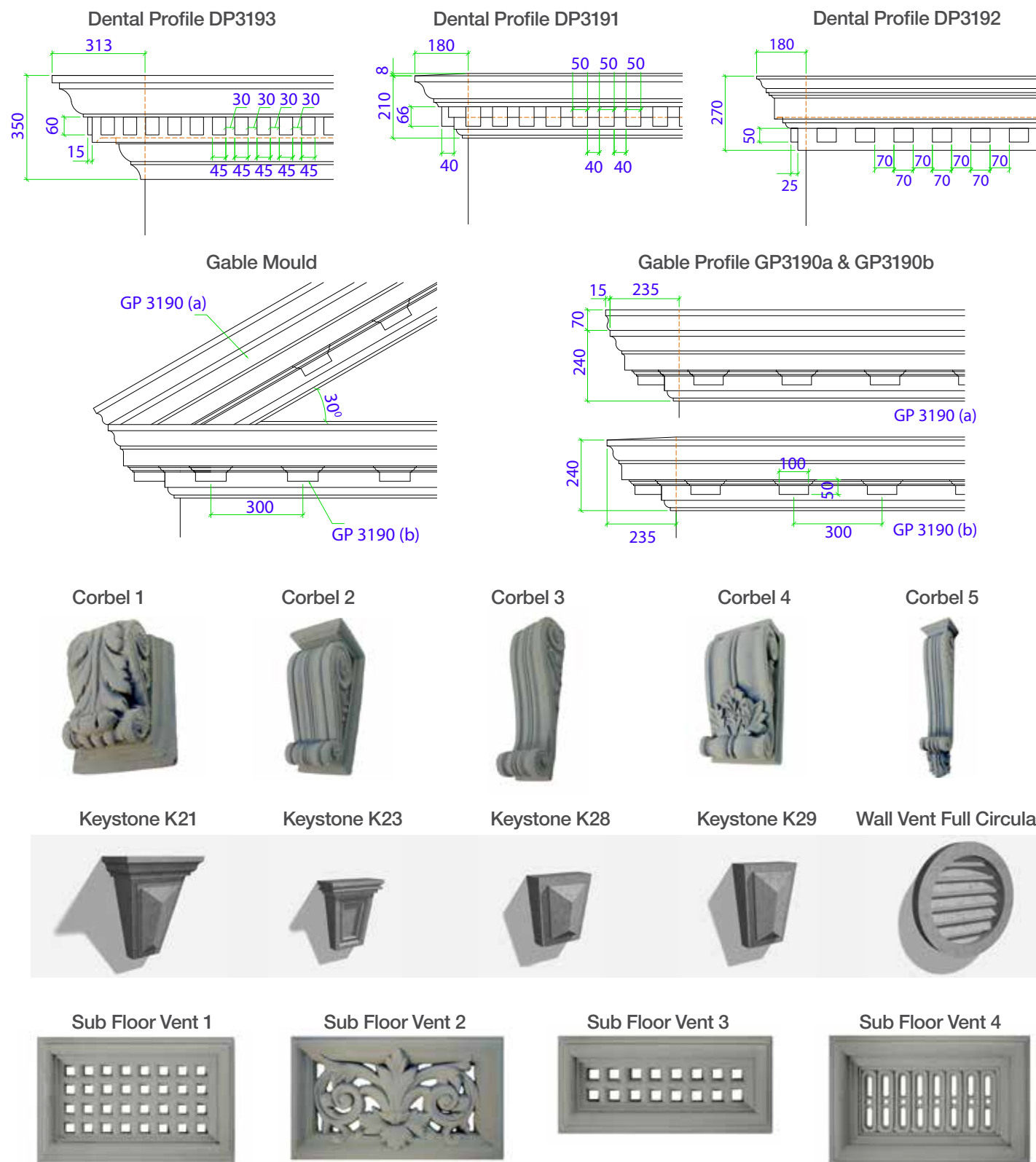


Quoin QS 385



Standard and bespoke Gable and Dental Profiles, Corbels, Keystones, and Wall Vents

Unitex® are the Australian leader in these custom-made decorative features & hold a limited quantity of this range in stock. For a more comprehensive list of the many choices available, go online to www.unitex.com.au.



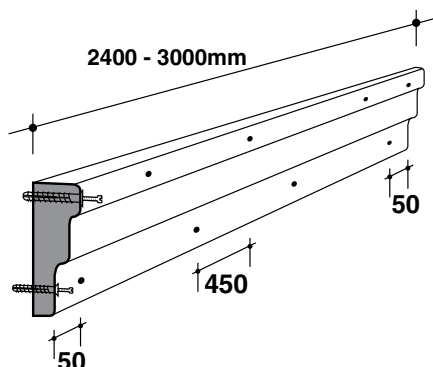
Fixing Uni-Shape Architectural Mouldings by Unitex®

When you select the mouldings to accent the building of your dreams, it is naturally your intention that they should last a lifetime. If they are properly affixed this goal will become a reality.

It is important to ensure that the Uni-Shape Mouldings you choose, whether from our lightweight solid collection or our larger void-formed shapes, are securely fixed tension free. It is for this reason that Unitex® insists all mouldings be mechanically fixed. Gluing alone relies on surface contact bonding and, over time and varied environmental conditions, this bond can weaken and fail. Mechanical fixers, if properly selected and applied, will last.

Installation of Solid Unitex® Uni-Shape Architectural Mouldings

- Window Profiles (heads, architraves, and reveals), and sills
- Smaller stringers, parapets, quoins, pilasters, and keystones
- Arches, arcs, pier & fence capping
- Columns, and bespoke shapes



Safety

Use suitable dust mask, safety glasses and gloves when working with the Uni-Shape lightweight mouldings. Also use hearing protection when using power tools.



The Installation Process

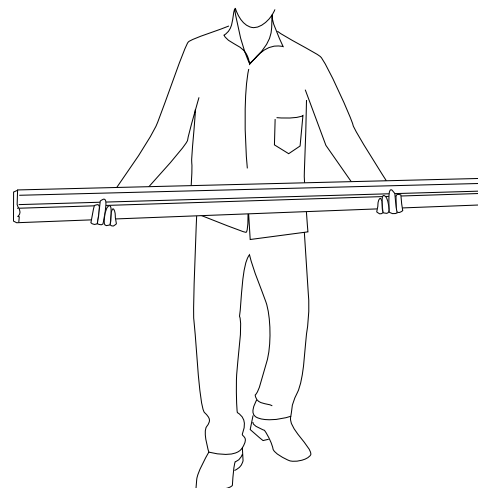
Materials required

- Unitex® UPC200 Putty
- Polymer Render
- Unitex® PTC coating (flat) with or without sand
- Uni-Flex Membrane coating (satin)
- Mechanical Fasteners -
 - Nylon Anchors
 - Easy-drive Anchors
 - Timber Screws (class 3 coated) for timber-frame construction – refer Step Two
- Polycarbonate Sealant (Mastic)*
- Adhesive Foam
- Packers
- Foam Backing Material
- Sikaflex

Tools required

- Tape Measure
- Carpenter's pencil
- String Line
- Level
- Putty Knife
- Sponge
- Sealant Gun
- Drill and bits
- Tungsten Tip Saw and Mitre Box or
- Drop Saw (sharp and clean) and cutting bench

Check your angles and measure twice to cut once.



Handle with care. Store on level surface on-site. Always carry a moulding length (with arms spread out) on its side to prevent cracking of the profile prior to fixing. In the event mouldings are cracked on-site by mishandling, do not install. Contact Unitex® to discuss.

Installation of Solid Unitex® Uni-Shape Architectural Mouldings **continued...**

Step One

Check the surface is even and level. Use packers if the substrate is not even and level. Packers that assist in providing a level substrate will stop stress fractures.

Do not stress the profile by fixing to an uneven/non-level surface, as cracking will result.

Substrate (detailed information)

Always check the substrate is level before fixing Uni-Shape Mouldings. It is common to find precast panels, render, brickwork, block-work, AAC & FRC sheeting may not be true or may be out of level.

If this is the case simply use packers behind to level the profile during fixing.

Uni-Shape comes in 2.4 or 3.0 metre lengths. It is advisable not to put any unnecessary stress on the profiles otherwise cracking can occur with daily or seasonal thermal expansion and contraction. General cracking due to mishandling etc is repairable on site (see over).

Note:

In cutting, mitring and preparing, carpenters can use the same successful methods as for timber type plynths, architraves etc. when in exterior use. (ie treat cutting as you would timber lengths).

Step Two

Run a string line at the lower edge where the moulding will be fixed. At sufficient intervals drive in temporary pins into the substrate. Position the profile and rest on the temporary pins.

Positioning the Uni-Shape Moulding (detailed information)

It is most common to run a string line at the lower Uni-Shape Moulding edge or the outside edge in the case of a window reveal. Use a temporary pin or small timber chock along the string line. Position the profile along this line and rest on the temporary pin before permanent drill fixing to the substrate. Pre-drilling (including counter sink drilling) of the mouldings is required. All profiles must be pre-drilled and countersunk (for the anchor heads to fit snugly approximately 5mm below the surface) prior to anchor insertion.

Step Three

Drill through the pre-drilled moulding and into the solid substrate of brick, block etc (not into the mortar, as fixings may pull out), and then counter sink the nylon anchor heads at least 5mm below the profile surface. Tap home the anchor without stressing the Uni-Shape moulding.

Fastening (detailed information)

Drill through the pre-drilled moulding and into the substrate with a drill bit to suit the size of the shank of the permanent anchor. Then mechanically fasten deep enough to countersink into the countersink cavity (already pre-drilled). The head of the anchor should be at least 5mm below the surface of the Uni-Shape profile, and the anchors should be securely fastened, at least 30mm, in the secure substrate.

In brick/block substrate it is essential to fix into the masonry substrate and not into the mortar.

Tap home the anchor, taking care not to damage or stress the moulding. Over a 2.4 or 3.0 metre length profile you must (as a minimum) mechanically fix within 50 mm of each end and also stagger-fix one side then the other side of the profile at approximately 450 mm centres. In timber/steel framed substrates fix at each stud along the length of the Uni-Shape Moulding.

Note:

Use Nylon Anchors counter sunk heads and Easy-Drive Anchors. Uni-Shape Mouldings are fixed to FRC Sheeting with exterior Class 3 Timber screws with counter sunk heads. Large profiles should be fixed through the base FRC sheet and into the supporting frame. These fixing instructions only apply to standard stock products.

Please check with your local Unitex® technical representative for the preferred fixing method of custom-designed products. In corrosive environments (eg within 500 metres of the sea) stainless steel anchors are recommended. See also Surface Finishes

Step Four

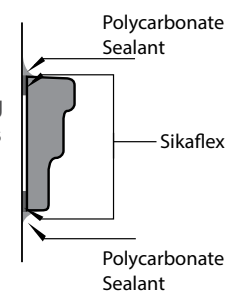
Use a putty knife (small tool) to fill the anchor head fixing cavity with Unitex® Polymer Render, leaving a few mm of space for a top coat of UPC200 putty. Rub the surface with a polystyrene block until the surface matches the texture of the profile. Do not use Unitex® UPC200 Putty at or in mould-to-mould joints.

Step Five

On the rear, seal both side edges of the Uni-Shape Mouldings with Sikaflex.

Edge Sealing (detailed information)

When the full length of Uni-Shape Moulding is finally fixed into position, both side edges must be sealed between the substrate and the leading edges of the profile. A Polycarbonate Sealant with an expansion modulus of $\pm 25\%$ is to be applied. Uni-Sealant is recommended.



Note:

- (1) Acrylic/Water-based gap filler mastics are not to be used.
- (2) Sikaflex is applied to the rear of profile and is squeezed out to the leading edges upon fixing – leaving nil gaps.
- (3) For medium-sized and larger profiles extra Sikaflex is also applied to the Uni-Shape mould rear central between the leading edges.

Step Six

To join Uni-Shape lengths simply align and leave a gap of approximately 6-10 mm and mastic seal (over pre-fitted backer rod or backer foam) to a depth of approximately 4-6 mm. Use Polycarbonate Sealant only, not Sikaflex.

Length to Length Joints (detailed information)

Uni-Shape Mouldings generally come in 2.4 or 3.0 metre lengths and are fitted together with a 6-10 mm (approximate) straight cut gap. The gap is filled with a Polycarbonate Sealant with a backer rod or foam filler behind. The clean surface is then scalloped. Fine visible pencil joints are the result. Cracking at a mastic joint will sometimes occur due to building movement, thermal expansion or a combination of drying/settling of the facade profile. In this case mastic can be re-applied at a later date.

Note:

All cut ends to be dry and dust-free prior to mastic application. Correct mastic application is half as deep as it is wide.

Step Seven

Always leave the same size gap in the profile as in the engineered building expansion gap joints. See note for more detailed information.

Building Expansion Joints (detailed information)

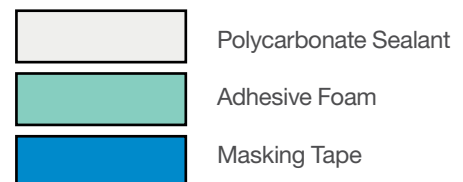
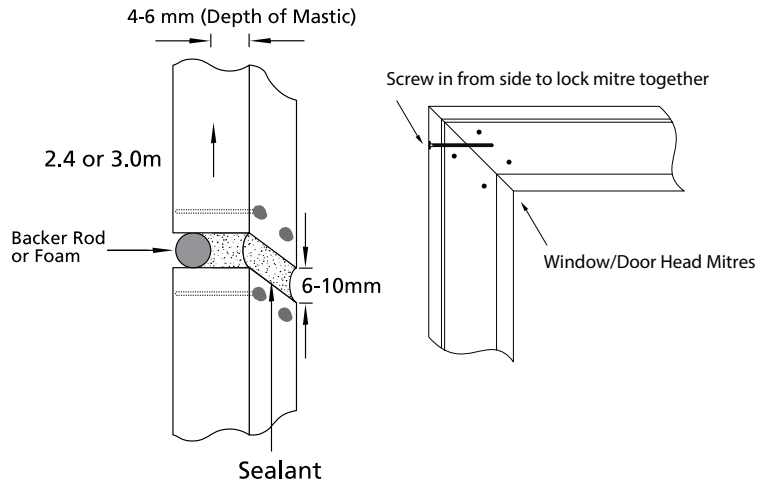
Definition: Dissimilar substrate junctions, precast panel to precast panel junctions. Always leave the same size gap in the profile as in the engineered building expansion gap joints.

Note:

- (1) In many cases where the expansion joint gaps are ~ 20 mm – mastic between the Uni-Shape lengths is not used and the gaps remain open without sealant in between – aesthetically this can work well, especially between precast panels in commercial projects.
- (2) For the expected movement of substrates your Builder and Engineer must design their projects with building movement in mind. Generally for good building practice expansion joints/movement joints should be constructed at least every 6m in every elevation.
- (3) FRC sheeting (cladding) – the gaps between FRC sheets butt jointed (3 mm) are not, for this purpose, to be taken as expansion joints. It is the responsibility of the Builder and Architect or Engineer to predict the likely building movement, surface thermal movement etc. prior to Uni-Shape installation. Expect to have a minimum 10 mm expansion/slip joint at least every 6m in every elevation. Unitex® will not take responsibility for bad design that does not allow for substrate movement.
- (4) In the case where a movement joint is designed around a structure (eg. at the junction of FRC sheet on an upper floor wall to block-work or brickwork on a lower floor), then at this movement junction, the Uni-Shape profile will be fixed to one substrate only and float over the movement joint. It is not to be fixed to the adjoining substrate. (the movement joint is neatly hidden behind the Uni-Shape Moulding).

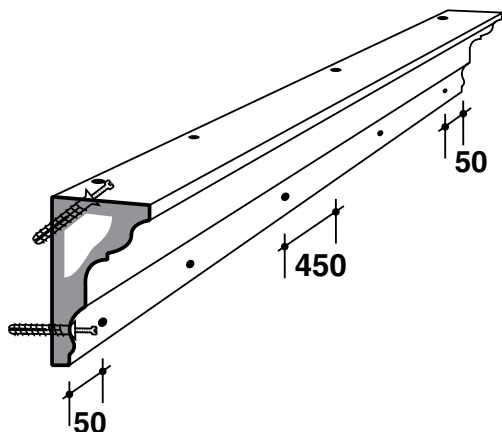
Step Eight

To keep the aesthetic appeal it is important not to overcoat the Uni-Shape Mouldings with texture as the Uni-Shape corners are crisp and sharp. For best results coat with a Uni-Flex Membrane coating (satin) or Unitex PTC (flat) with or without sand, in the colour of your choice. Coverage is approximately 1 litre per m2.



Installation of void-formed Uni-Shape Architectural Mouldings

- Window Heads
- Parapet Mouldings
- Corbels
- Large Scotias
- Mid-Level Stringers
- Bespoke shapes



The Installation Process

Material required

- Unitex® UPC200 Putty
- Uni-Flex Membrane Coating or Unitex PTC
- Mechanical Fasteners – Nylon (Easy-drive) Anchors
- Class 3 Timber Screws (for FRC Sheeting)
- Stainless Steel Anchors (marine environments)
- Backer Rods/ Foam Backing Material (Expand-O-Foam)
- Packer Plates
- Polycarbonate Sealant
- Polymer Render

Tools required

- Tape Measure
- Carpenter's Pencil
- String Line
- Level
- Putty Knife
- Sponge
- Sealant Gun
- Drill and bits
- Tungsten Tip Saw & Mitre Box or
- Drop Saw (sharp and clean)

Check your angles and measure twice to cut once.

Installation Steps

The Uni-Shape Mouldings with voids have an average 10-12 mm (approximately) layer completely around the void. It is reinforced, and a fully integral part of the moulding. The upper and lower leading edges of these styles are more solid with around 20-30 mm depth of a lightweight-cement fibre-reinforced cover.

Fixing these is the same as for solid Uni-Shape Mouldings with the difference being that, in a parapet style moulding the top edge fixing is at an angle of 45 degrees through the top into the rear of the moulding and then into the substrate with an Easy-drive type larger anchor. The head of the anchor is countersunk (pre-drilled cavity) into the Uni-Shape 20-30 mm covering layer on the top edge of the moulding.

All other instructions are (adjusted for larger product sizes where applicable) as previously explained for solid Uni-Shape Mouldings.

Note:

- (1) Some conditions (other substrates, Uni-Shape Moulding types and on-site configurations) may require you to modify the above methods to suit.
- (2) Always cut-out EPS foam and fill butt-ends with Unitex® HiLite Render so that no foam remains exposed.
- (3) When installing mouldings under Eaves, fix only to roof or wall, not both.



Balustrading & Dentals



Parapets & Quoins

Installation of custom-designed Uni-Shape Architectural Mouldings

The almost infinite options of shape and size available for custom-designed Uni-Shape Mouldings means it is not possible to provide in one brochure, the intricate details for fixing every shape. When ordering your custom-designed Uni-shape Moulding contact your local Unitex® technical representative for specific recommendations.

Hole and Surface Damage Patching (detailed information)
Use a spatula (putty knife) to fill the cavity with Unitex® Polymer Render, then skim coat with patching compound UPC200 Putty. When the cavity is full, rub the surface with a sponge to match the surface texture of the profile
(ie not glassy smooth but rather a sandy smooth effect like the mouldings).

Note:

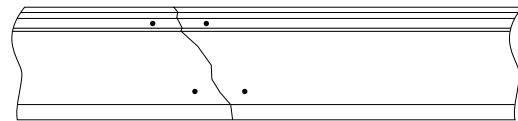
(1) in areas of high humidity and/or wet conditions the UPC200 Putty may require an additional 5-10% cement for faster drying (mixed on the putty board).

(2) UPC 200 Putty is not designed for application in movement joints, adjoining lengths of mouldings, or in mitre cuts etc.

Hairline Crack Repairs

- Cut v-line groove (small tool/Stanley knife)
- Fix anchors approximately 20 mm on each side away from the crack (two per side)
- Mix UPC200 and apply to v-line
- Wait 24 hours to dry
- Sand smooth as desired
- Apply membrane to match existing colour

Moulding Crack Repairs (in situ)



- Cut v-line groove (small tool/Stanley knife)
- Fix anchors 20-50 mm on each side away from crack (two per side).
The number of fixings depends on the size of moulding eg If moulding width > 100 mm need four fixers
- Mix UPC200 or Polymer Render and apply to v-line
- Wait 24 hours to dry
- Sand smooth as desired
- Apply membrane/PTC to match existing colour



UNITEX® UNI-SHAPE COLUMNS TYPES

There are six types of column shapes. Stock columns are available in 3m heights, with diameters of 260mm or 350mm. Custom columns are available in sizes to suit various requirements.



Square Fluted

Square,
Square Bellied, or
Square Tapered

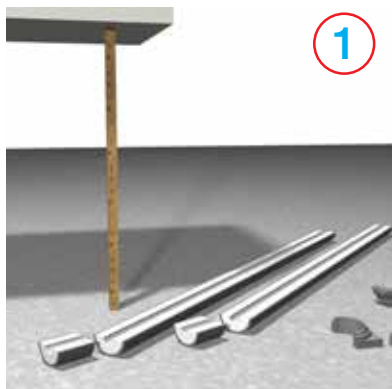
Round Fluted

Round,
Round Bellied, or
Round Tapered

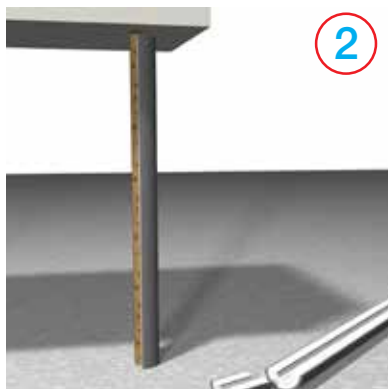
UNITEX® UNI-SHAPE

COLUMNS INSTALLATION OPTIONS FOR SPLIT COLUMNS

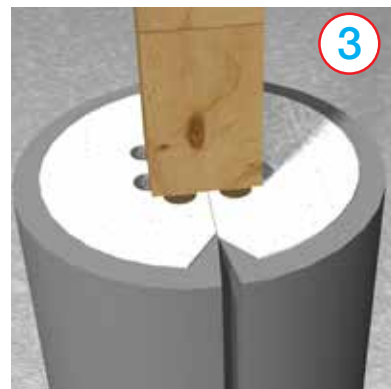
Where Columns are to be installed on existing load bearing posts, Columns are supplied in two halves. Installation is detailed below.



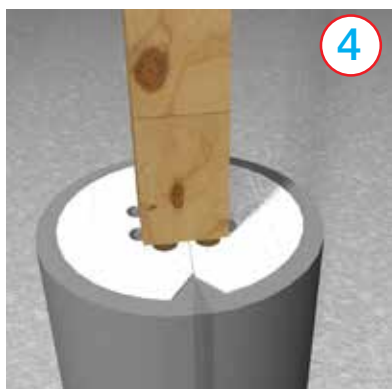
1 Prepare & cut the Column length to suit height



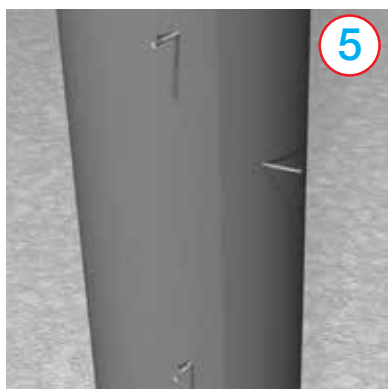
2 Join the half-shafts with Unitex Polymer Render around the post



3 Cut the outer surface into V shape void



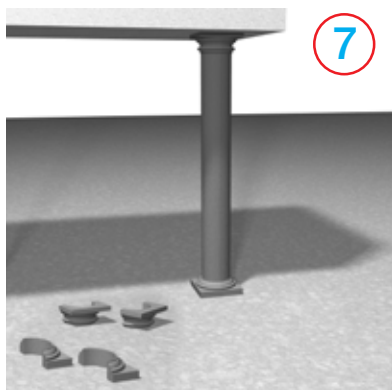
4 Fill the V shape void with Unitex Polymer Render



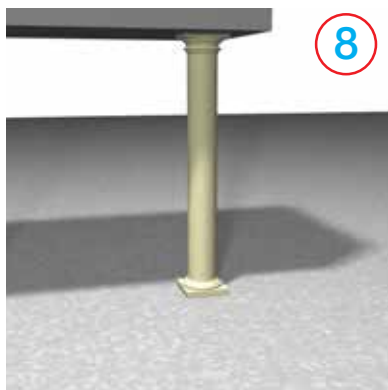
5 Pre-drill & counter-sink holes through one side of each half, & fix with screws into solid section



6 Sponge finish while the polymer render is touch wet, using sponge or polystyrene block



7 Join the Cap and Base around the Column, and fix into place. Patch the joins with Polymer Render

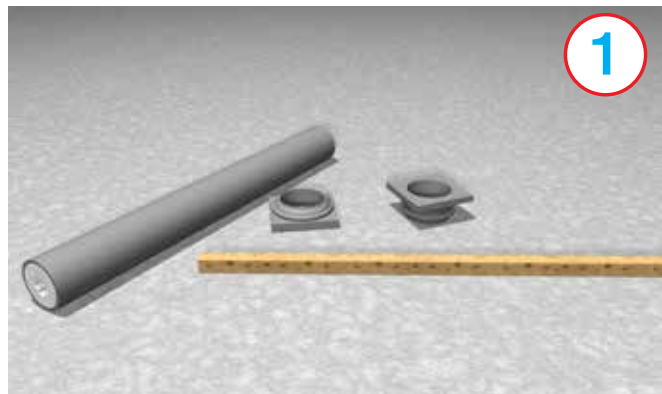


8 Paint with Unitex Membrane Coating or Protective Top Coat (PTC)

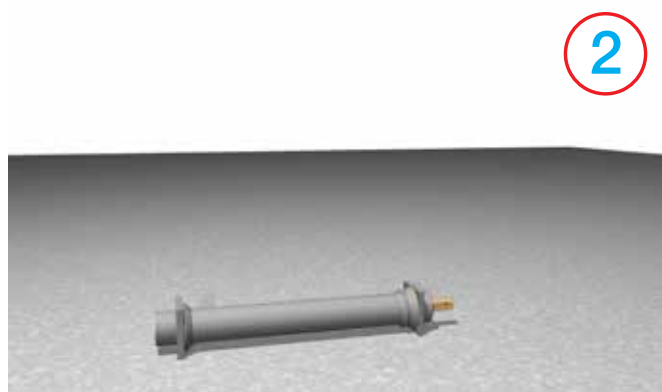
Note: Tapered columns must only be shortened from the base, as cutting from the top will increase the diameter of the column, making fitment of Caps difficult or impossible. The bottom 1m of tapered columns are straight.

UNITEX® UNI-SHAPE INSTALLATION OF WHOLE COLUMNS

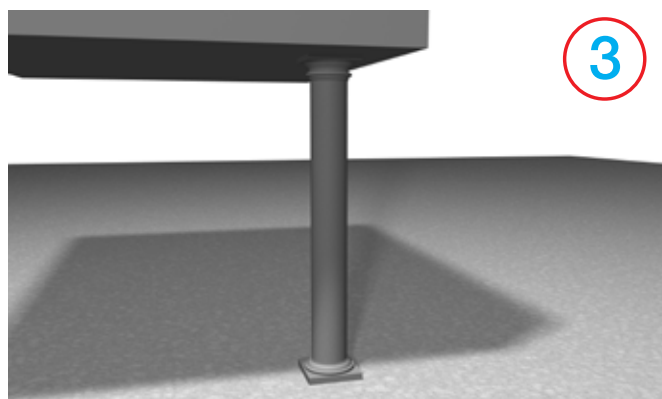
It is essential that column Caps & Bases are pre-sleeved onto column prior to the structural post and column being fixed into place.



Prepare & cut the Column length to suit height, cutting only from the bottom of the Column. Ensure column height is less than the post height. This will allow space for fixing the post into place. The gap will be covered by the Cap.



Sleeve Column, Cap & Base onto structural post. Slide Cap down, and Base up to allow space for fixing the post into place and column to the post.



Fix structural post into place, and slide Cap up, and Base down, and fix into place with screws. Patch screw holes and any gaps with Polymer Render



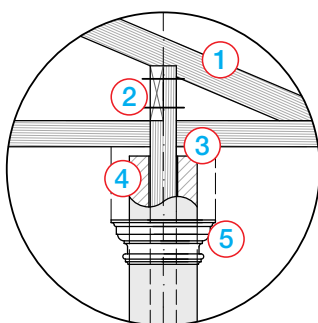
Paint with two coats of Unitex Membrane Coating or Protective Top Coat (PTC)

Note: Caps and Bases are manufactured with 5mm greater internal diameter, to allow for fitting onto column. Once fitted, it is best to finish with Uni-Shape Sealant.

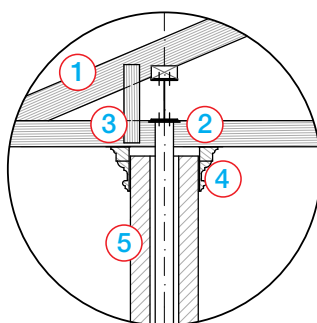
UNITEX® UNI-SHAPE

POST INSTALLATION OPTIONS FOR WHOLE COLUMNS

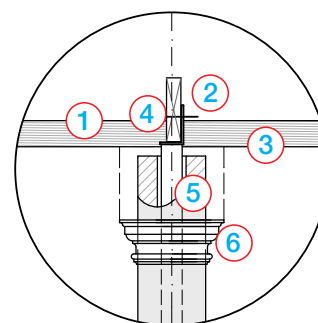
Where columns are to be installed whole, they are first sleeved onto structural posts. There are three main methods of installing posts detailed below. It is essential that the column Cap & Base is pre-sleeved onto the column prior to the structural post and column being fixed into place.

Method 1**Top of column detail**

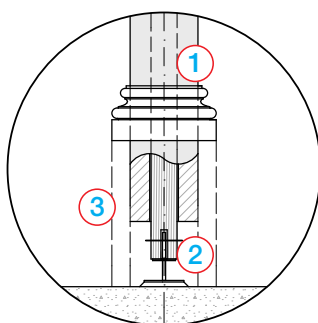
1. Timber roof framing
2. Porch or patio beam bolted to timber post
3. Eaves joist lined with cement sheet
4. Uni-Shape columns to be cut short of eaves line
5. Slide up Uni-Shape decorative capitals and fix in accordance with recommended instructions

Method 2**Top of column detail**

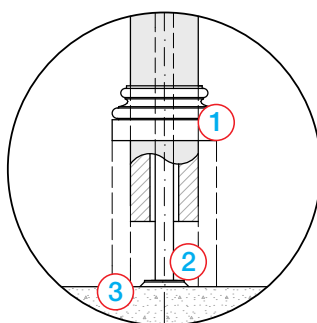
1. Timber roof fixing to framing standards
2. Timber fixing plate to be securely fixed to beam
3. Structural eaves beam bolted to column top plate
4. Uni-Shape decorative capital fixed in accordance with recommended instructions
5. Uni-Shape decorative columns

Method 3**Top of column detail**

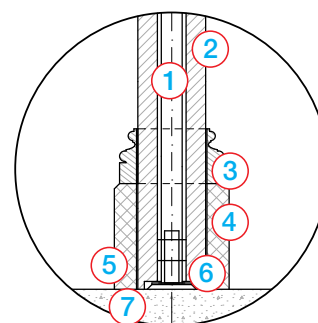
1. Soffit beam-timber
2. Proper bolt fixings
3. Soffit Joist lined with cement sheet
4. 150x90x8 angle support bracked welded to top of support column
5. Uni-Shape column sleeved over structural post
6. Uni-Shape capitals to be pre-sleeved over Uni-Shape columns and lifted up to soffit and mechanically fastened as recommended

**Base detail**

1. Uni-Shape decorative columns set plumb prior to sliding down bases and fixing
2. Structural timber post securely fixed to support stirrup
3. All support columns and post shall be held down securely to engineers detail

**Base detail**

1. Uni-Shape bases and plynth sleeved over column
2. Structural column C/W base plate securely fixed to sub-structure
3. Sub-structure

**Base detail**

1. Structural column to engineer's design
2. Uni-Shape decorative columns
3. Uni-Shape base and plynth combination
4. Uni-Shape decorative pedestal-optional
5. All bases and pedestals to be sleeved over Uni-Shape columns prior to placement and mechanically fixed
6. S.H.S column fixed onto spigot/baseplate or similar
7. All structural columns to be securely fixed to footings and or slab

Product

As the Australian originator of this type of light-weight concrete product, Unitex® has designed and perfected installation and fixing methods which must be followed to ensure longevity (refer to the Unitex® Application and Fixing Guide). The fine detail that can be provided with the Unitex® Uni-Shape Mouldings and Columns, coupled with their ease of handling & installation, makes these Unitex® products an Architect, Designer and Builder's first choice product.

Delivery

Unitex® Standard Mouldings are supplied in 2.4 and/or 3m lengths and are supplied on 3.2m long Unitex® specially designed pallets. For bespoke items of varying lengths, Unitex® can re-design over length product to be supplied in manageable lengths and assembled on site.

Preferable site unload is via fork truck but can also be hand offloaded. Storage onsite is essential on concrete floor, or level ground, and to be left undisturbed until installation.

All Unitex® fixings, patching, levelling accessories, and flexible mastics must be ordered and delivered with the Uni-Shape Mouldings and Columns to ensure your installer complies with the Unitex® installation product guidelines.

For out of stock and bespoke Unitex® Mouldings and Columns allow (in Summer months) 4-6 weeks for design, manufacture, drying and cement cure. In the Winter months, allow 6-8 weeks as a general rule of thumb.

Care for your Unitex® Mouldings and Columns

After installation, Unitex® Mouldings and Columns need to be painted to the colour of your choice using Unitex® Uni-PTC. This will ensure uniform colour integrity and protection. As all moulded profiles project from the surface to which they are attached, in dusty conditions they can collect dirt, dust and grime from the atmosphere. If dirt and dust are left insitu they can become seed-beds for mould growth, so it is advised to twice yearly, hose down possible dust and dirt affected areas. In such environments, Unitex® advises Architects and Designers to specify moulds and sills with minimum 8-10° fall. This allows some self-cleaning (with rain).

Should your Unitex® Mouldings and Columns be damaged from onsite abuse after installation they can be easily patched with Unitex® Patching Compound (UPC200). Always seek Unitex advice.

Customer Support

Unitex® experienced Technical Sales Representatives are constantly advising at design stage and on site with our Builders and Installers. Most of the award winning and prestigious residences and commercial buildings throughout Australia are enhanced with Unitex® Façade Mouldings and Columns.

Unitex® in-house experienced CAD Design Specialist is seen as industry best practice and is an invaluable resource to the Unitex® customer.

To contact the Unitex Technical Sales Representative and CAD Design Specialist please telephone Unitex on +61 (0)3 9768 4900 or email sales@unitex.com.au.

Specifier's Clause

Unitex® Uni-Shape Architectural Mouldings and Columns shall be manufactured as designed, supplied, and installed as per the manufacturer's instructions. The manufacturer shall be Unitex® Australia Pty Ltd.

Contact by phone on 1800 RENDER or online at www.unitex.com.au or www.render.com.au.

Plan Note: Unitex® Uni-Shape Profile No: _____

Unitex Australia Pty Ltd is a Sto SE & Co. KGaA subsidiary



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