



QUARTZ MADE SIMPLE

MAXTOP QUARTZ
**INSTALLATION
AND TECHNICAL
SUPPORT MANUAL**

www.maxtopquartz.co.uk



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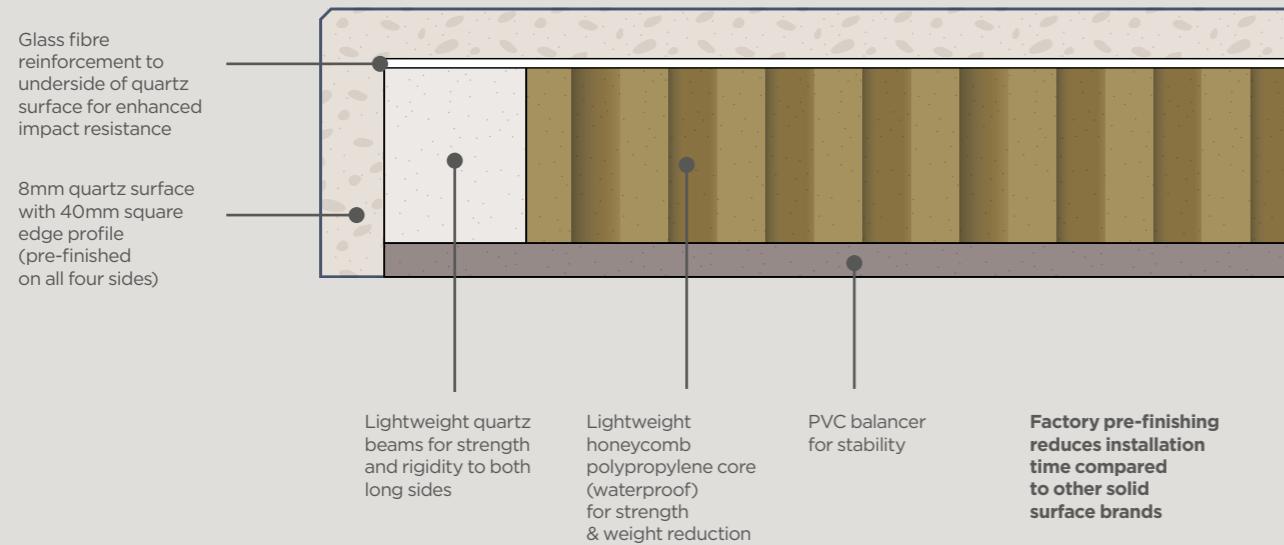
1 INTRODUCTION

This manual includes all of the essential information users will need to install Maxtop products effectively and efficiently, across a variety of specifications. When followed, users will be left with a strong, uninterrupted looking surface with minimum fuss.

- Maxtop Quartz is a unique work surface product that combines the beauty of natural stone with engineered enhancements.
- It is manufactured with a patented composite design and manufacturing method to provide high durability, lightweight ergonomics and waterproof qualities.
- It has the advantage of a 40mm depth, as well as an 8mm solid quartz edge.
- Maxtop Quartz surfaces are available for immediate sale and installation and can be fitted with the kitchen within the time frame of laminate worktops.
- The worktop is supplied from stock to site and can be fitted with the same equipment used for laminate worktops, further simplifying the installation process. Diamond coated saw blades, router blades and drill bits are available in the Maxtop Quartz Installation Kit.

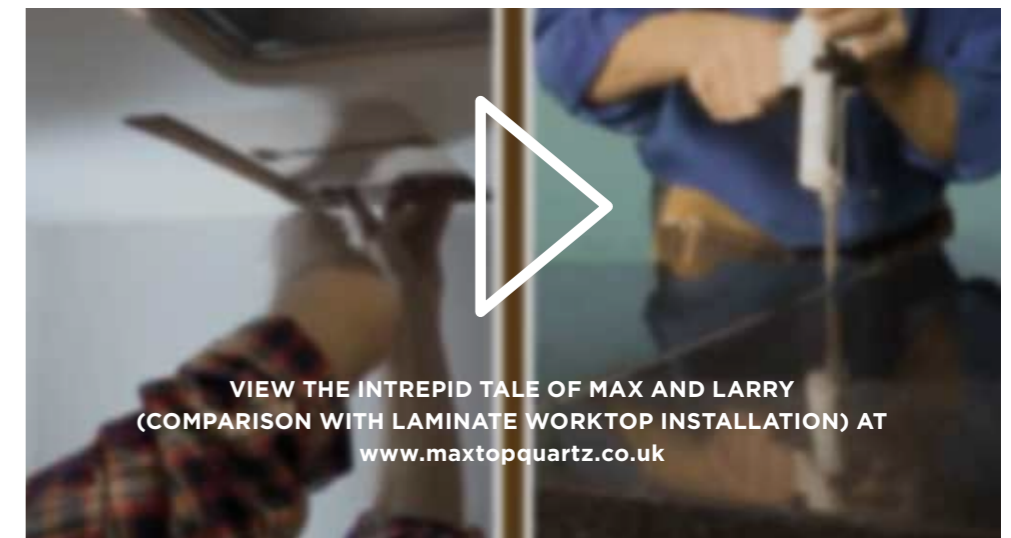
- 100% waterproof materials
- Components pre-edged on all 4 sides
- Engineered for lighter handling

Maxtop Quartz



2 INSTALLATION VIDEO AND TRAINING

It is essential that installers new to Maxtop Quartz view the 5 minute Installation Video prior to fabrication procedures.



Installation training days

Maxtop Quartz Ltd offer regional installation training courses which are usually located at Maxtop distributor's premises.

Please register online at www.maxtopquartz.co.uk or telephone 0161 224 0333 for more details.



3 TRANSPORTATION, HANDLING, STORAGE AND INSPECTION



Delivery from distributors

Maxtop Quartz is an 'off the shelf' product and can be delivered in full pallet format or room set sizes to business premises, site locations or consumer addresses. Deliveries are normally on a 24-48 hour lead time to most urban locations from Maxtop Quartz Distributors.

Handling

Whilst Maxtop Quartz is substantially lighter than traditional slab quartz, it is recommended that two experienced and trained persons lift the product at all times.

Carry 600mm wide or 900mm wide surfaces at both of their short ends with the face in a vertical position. They should never be carried with the face horizontal which can potentially 'bounce' and adversely flex the surface which may cause a split across the width.

Similarly, they should not be placed horizontally onto the forks of a moving reach truck as this may also create the bounce effect if driven over any uneven ground. On any truck or delivery vehicle the tops should be placed on and strapped to a pallet or blocks to prevent uneven movement.

When unloading, care must be taken to avoid twisting the top. Do not overreach to take tops off vehicles and always ensure that enough suitable people are available to unload.

When taking the tops from the delivery point to the installation site, similar care must be observed at all times. Avoid leaving the tops in a place that exposes them to unintended damage through being knocked. If the installation site is very awkward then cutting should be done prior to taking the tops to the site. This could be done in a garage or garden at the location.

Unpack with care. Inside the packaging is a 600x42mm edging strip vertically positioned at one end and a 600x40mm piece of upstand at the other end. Along the long edge there will be a 40mm upstand to the corresponding length of the worktop.

Always check your surfaces before installing!

Storage

Always store Maxtop Quartz in racks or on batons, horizontally with adequate support along the full length to avoid bowing issues.

Never lean vertically against a wall which can encourage bowing through the self-weight of the material.

Inspection

Maxtop Quartz worktops and matching acrylic accessories are supplied wrapped in foam and packaged in strong cardboard for protection. The factory finish on the worktop surface may have dusting from the foam wrapping following the lines of the cardboard corrugations, due to compressive forces during transportation or storage.

This is normal and is easily cleaned off with a soap and water solution. It is more noticeable on black designs if present.

Visual blemishes or variations in pattern density such as blotches, spots or concentration of colour pigments are considered natural and inherent in the manufacturing process.

Since Maxtop Quartz is made from natural quartz, variations in the colour, size, shape and pattern of distribution of the natural stone (quartz) and the tone of the background, are inherent and unique characteristics to be expected with this product.

If the natural variation is visible in an installation from a distance of 2.1336m (7ft) or greater with uniform lighting (no spotlights or high intensity lighting), it will be considered a material defect and covered by the warranty, but it must be reported to the Maxtop dealer prior to fabrication and/or installation within 30 days.

If the colour variation is not visible from 7ft or if it is not reported prior to fabrication and/or installation or within 30 days it will be considered to be normal variation and not covered by the warranty.

Never stack or slide unprotected Maxtop Quartz worktops directly on top of each other. Whilst quartz is highly scratch resistant to everyday household materials, quartz on quartz can cause scratching with sufficient pressure.

Maxtop Quartz Ltd will replace any of their worktops that do not meet with the product specification.

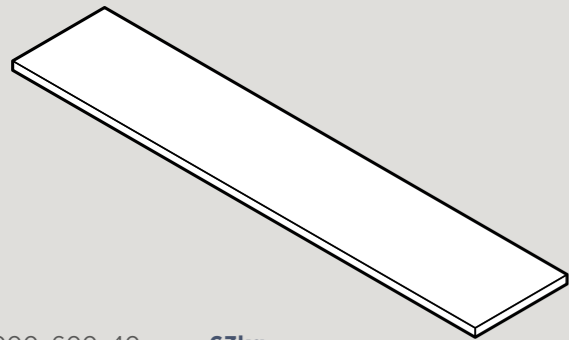
However, Maxtop Quartz Ltd will not be responsible for any labour charges or any associated charges incurred for fabrication done on defective materials, or any costs whatsoever for any faulty worktops fitted or any cost associated with refitting.

It is the responsibility of the installer to conduct a visual inspection for defects on the worktops once unwrapped.
If unsure regarding quality of material, always contact your Maxtop Quartz supplier for advice.



4 WORKTOP DIMENSIONS, WEIGHTS AND FINISHING ACCESSORIES

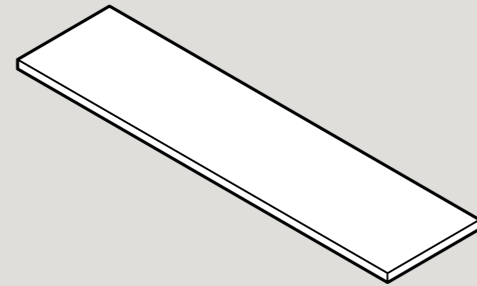
Maxtop Quartz worktop components are factory pre-edged on all 4 sides, for simplistic installation and optimisation.



3000x600x40mm = **63kg**

Contains the following accessories:

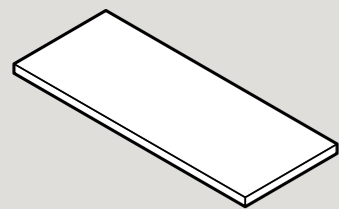
3000x40x8mm matching acrylic upstand
600x40x8mm matching acrylic upstand
600x42x8mm matching acrylic edging



2400x600x40mm = **51kg**

Contains the following accessories:

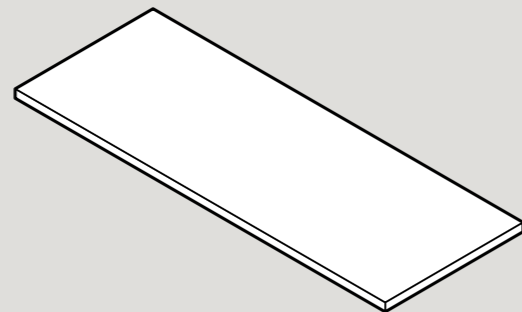
2400x40x8mm matching acrylic upstand
600x40x8mm matching acrylic upstand
600x42x8mm matching acrylic edging



1500x600x40mm = **32kg**

Contains the following accessories:

1500x40x8mm matching acrylic upstand
600x40x8mm matching acrylic upstand
600x42x8mm matching acrylic edging



2400x900x40mm = **73kg**

Contains the following accessories:

900x42x8mm matching acrylic edging

5 HEALTH AND SAFETY GUIDELINES

Silica dust is created during sawing, drilling, routing and sweeping debris from Maxtop Quartz worktops. Whilst the amount of dust created may be relatively low, simple precautions should always be taken during fabrication and cleaning procedures by ensuring use of personal protective equipment.



Respiratory face masks (type FFP3) should be worn during dry fabrication to avoid inhalation of silica dust. Impact resistant safety goggles should be worn to protect eyes against dust and debris.

Use portable vacuum dust extraction with plunge saws and router equipment and remove dust in sealed bags for disposal.

It is better to perform fabrication processes outside domestic premises where possible in a sheltered open area. When fabricating inside, ensure as much ventilation as possible through window and door openings.

Set the blade to the maximum depth of the worktop so it just scores the base board. The majority of dust cannot then escape the vacuum equipment.

Whilst Maxtop Quartz is substantially lighter than traditional slab quartz, it is recommended that two experienced and trained persons lift the product at all times. Always lift Maxtop Quartz on its edge to avoid adverse flexing and potential damage from over stressing.

Only use quality diamond coated saw blades, router and drill bits which are suitable for cutting stone products. Standard woodworking blades and drill bits will not cut Maxtop Quartz and could be dangerous if attempted.

The Maxtop Quartz Installation Kit provides the necessary fabrication accessories to complete your installation safely. Always use a drill guide or jig when drilling Maxtop Quartz to control and stabilise the drill bit.

Cutting Maxtop Quartz on a base board significantly reduces dust and debris.

6 INSTALLATION KIT AND TOOLING REQUIREMENTS

Maxtop Quartz installation kit

Maxtop Quartz installation blades are manufactured in high quality vacuum brazed diamond for longevity.



150mm fine turbo saw blade

For all straight cuts to worktops including inset sink cut-out.



Bevel cutting cone 6.35mm diameter

For recreating bevel edge on quartz (not acrylic).



Electroplated diamond hand pads

50 grit coarse pad and 800 grit finishing pad. For sanding quartz edge after sawing or routing process and creating a bevel. (Located under flap inside installation kit box).



Jigsaw blades

Gold (Coarse - for general use).
Black (Fine - for tighter radii and profiling).



Hole saws 12mm and 35mm

For starting hob or sink cut-outs and tap holes. (35mm should be used with Maxtop universal drill guide. Use MDF template for 12mm).



Polishing router

12.7mm diameter shaft/13mm diameter cutting head.

Standard tools are all that are required to fabricate Maxtop Quartz which should be used in conjunction with diamond coated saw blades, router blades and drill bits from the Maxtop Quartz installation kit:-

Cutting

Circular plunge saw and track (ensures safe, effortless, accurate cutting over longer lengths).

Jigsaw

(for smaller detail work).

Drilling

Standard electric hand drill.

Routing

Router with minimum recommended power of 1600w.

Finishing (Acrylic End Cap)

Random orbital sander with 180/320 grit papers (forms bevelled edge and polishing as necessary).

Laminate trimmer

(with standard TCT cutter to form bevelled edge if preferred).

Undermount sink and drainer groove accessories

To add to the standard kit to form an undermount installation.



Coarse router

12.7mm diameter shaft/10mm diameter cutting head.



Polishing drainer groove pads

100, 200, 400 and 800 grit.



Drainer groove router

40 grit (12.7mm shaft) coarse blade for provisional groove.
70/80 grit (12.7mm shaft) polishing blade.

Universal drill guide

Adjustable guide with suction clamp for safe and accurate drilling of Maxtop Quartz.



7 IMPORTANT FABRICATION RULES

Before starting your Maxtop installation, please read the following fundamental rules:-

- Use only Maxtop Quartz diamond coated tools when working with Maxtop Quartz. Installation Kits are available from your Maxtop Quartz distributor.
- Never use Maxtop Quartz diamond tools on acrylic accessories (use TCT cutting tools).
- Always use a plunge saw and track for cutting, letting the blade do the work for the best finish. The resultant cut will be clean and accurate. Please note that pushing a diamond blade too fast can induce additional heat and damage the blade.
- Regularly vacuum away quartz dust and debris when working to avoid damage. Quartz chips grated hard on to your surface can cause scratching.
- The tops of the cabinets must be flat and true within 2mm of a flat surface for every 3m length.
- Allow 3mm clearance for expansion between worktops and walls.
- Never install mechanical fasteners (screws, nails etc.) directly into the Maxtop surface.
- All sink and hob apertures, rebates, notches or other cut-outs with 90 degree or sharp internal corners within the Maxtop surface must be radiused to a minimum of 12mm to avoid potential stress cracking through normal expansion and contraction. This is standard practice for all types of kitchen surface. Wherever possible, use the 35mm hole saw from the Maxtop installation kit.
- No worktop joint should be within 150mm of a sink or hob cut-out or positioned over a dishwasher. If the 150mm rule is encroached it is the responsibility of the installer to add more support to the underside of the worktop to reinforce the weakened area.
- Always use aluminium heat reflective tape to prevent heat damage to hob cut-outs with a 3mm clearance gap all around to allow for heat expansion and contraction.
- Matching acrylic upstands must be a minimum of 130mm from the heat source of a gas hob.
- Support overhangs exceeding 300mm with cantilevered brackets or legs. It is the installer's responsibility to ensure adequate and safe support to suit the circumstances of the installation.
- Drainer grooves in undermount applications should not exceed 4mm maximum depth.
- Use Maxtop Quartz adhesive for all jointing and edging procedures.
- Always use a protective metal plate to the worktop edge over dishwasher locations as per the appliance manufacturer's instructions.
- Never fill the V-Groove joint with adhesive - only apply to the vertical (hidden) edges.

8 CUTTING, DRILLING, BONDING AND FITTING MAXTOP QUARTZ

Method

Due to the patented construction of Maxtop, the jointing procedure is simplistic and fast compared to other materials. Its engineered composite provides high stability and does not require butt and scribe techniques, jointing bolts, tongues or biscuits. Components are simply butted together and glued with Maxtop adhesive for a strong and extremely stable joint.

Optimising

Maxtop Quartz is factory edged all around so all cut component pieces can be optimised to avoid wastage. 3.0m, 2.4m and 1.5m lengths are available 'off the shelf' as standard, which provides maximum cost effectiveness.

Tools and working practice

All cutting work should be undertaken with a vacuum brazed diamond coated circular saw blade from the Maxtop installation kit (150mm Fine Turbo blade with standard 22.23mm bore. Suits Festool TS55R and is fitted with a 22.23mm to 20mm reducing ring for other brands).

Work slowly for an efficient cut and quality finish. Clean off quartz dust and particles at regular intervals to avoid grating larger particles on the surface of the worktop.

Use portable extraction equipment.

Always use a plunge saw with guide rail for safety and an accurate saw cut.

Cutting on a base board ensures the portable vacuum extraction removes the vast majority of dust and debris.



Cutting Maxtop Quartz is much different to cutting timber or wood based sheet materials.

Maxtop Quartz tools are designed for cutting stone and are coated in diamonds that effectively 'file' away the surface of the quartz material (as opposed to 'slicing' wood with a TCT blade) and pushing or leaning on the machine can cause overheating, resulting in an inefficient cut and abnormal wear.

Cut at full machining speed and allow the diamond blade to do the work without pressure for a clean and accurate result. Maxtop Quartz tools are fine quality vacuum brazed for longevity - always use them correctly.



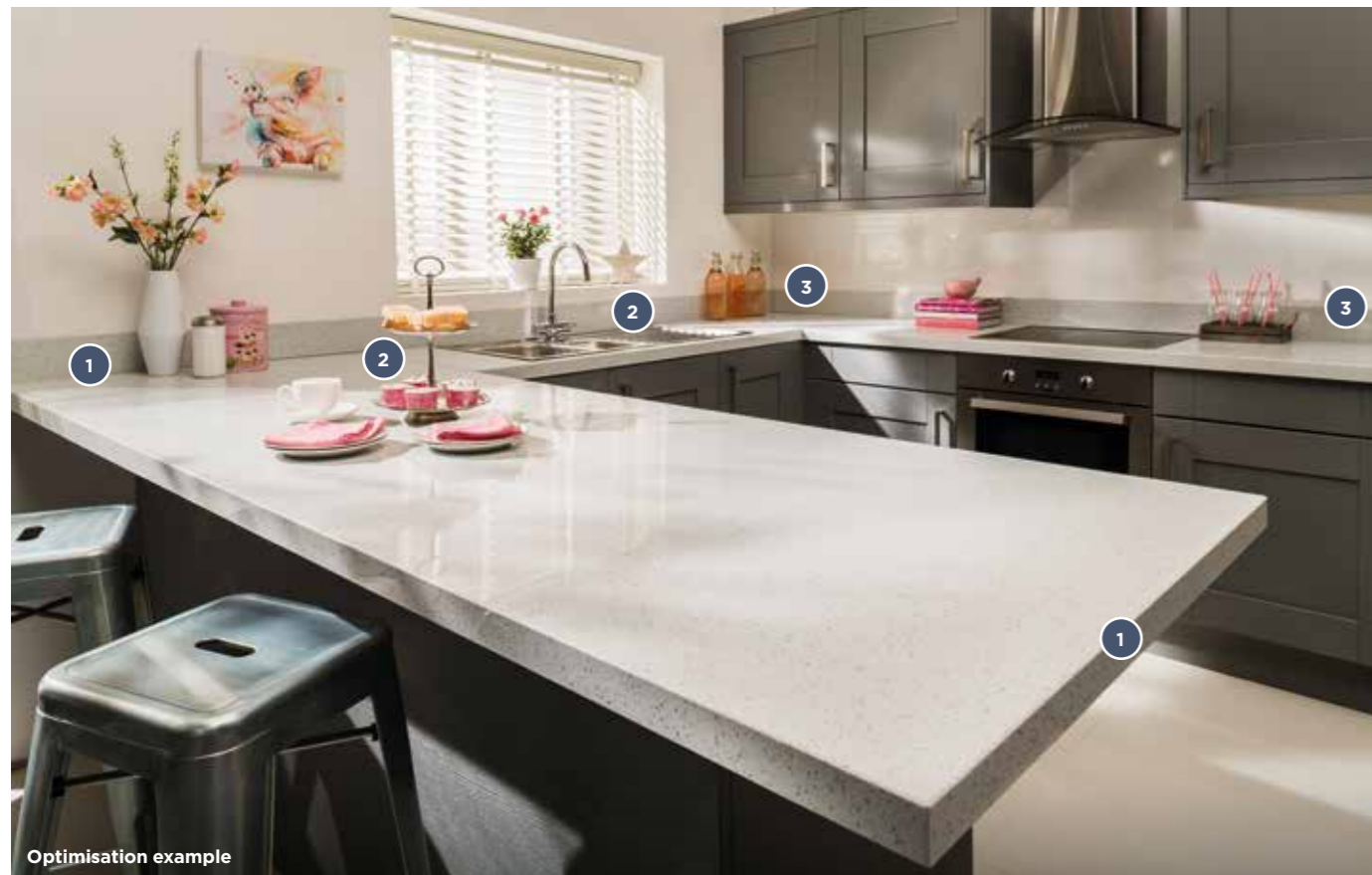
8 CUTTING, DRILLING, BONDING AND FITTING MAXTOP QUARTZ

Forming the joint

Pre-finished (all around) quartz edges are simply butted together to form a neat 'V' groove and are bonded with matching Maxtop Quartz adhesive. Use plastic window packers to 'fine tune' levelling procedure.

The cut end of any section will normally be positioned into a wall, leaving factory finished end exposed (1 on diagram below).

To ensure full optimisation of Maxtop materials, cut ends can also be utilised to form a butt joint to a pre-finished edge, which will then require a matching bevel forming on the cut piece - to match the factory finished bevel of the abutting piece (see diagram on adjacent page).

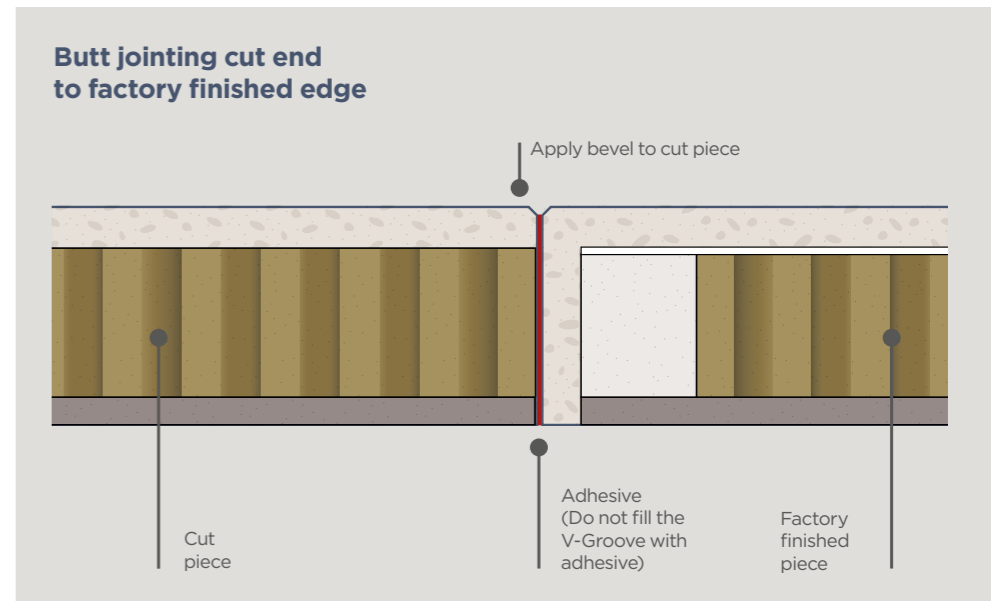


Optimisation example

1 2400x900x40mm
One finished end exposed.
One cut end dying into wall.

2 1500x600x40mm
One finished end completing (bevelled) butt joint with breakfast bar.
(opposite cut end requires bevelling to butt join with the 600mm worktop).

3 3000x600x40mm
One finished end exposed.
One cut end dying into wall.



Applying a bevel to a cut piece

The normal practice to joint quartz is with a 45 degree bevel which is simple in Maxtop Quartz. Cut pieces can be sanded dry with the 50 grit and 800 grit sanding blocks from the Maxtop Quartz installation kit to form the required bevel. The bulk of the work is done with the 50 grit (coarse) block and finished smoothly with the 800 grit block. Clean off regularly with a damp cloth for the best results when finishing.

Alternatively, the bevel can be routed in a jig with the diamond coated bevelling wheel from the Maxtop Quartz installation kit. Use the 800 grit sanding block to apply the final finish and clean dust off with a damp cloth as you work for the best results.

Both methods offer a great result and a traditional bevelled joint can be completed within 5 to 10 minutes. Take care not to sand the surface of quartz with the 50 grit block.

Flush jointing for extended straight line worktop lengths

After sawing worktops, both ends should be squared accurately with the polishing router from the installation kit and glued with Maxtop Quartz adhesive.

This provides an alternative (more inconspicuous) joint for longer worktop runs. Always use masking tape on both sides of the joint line so excess adhesive can be cleaned off easily.



Sanding block

8 CUTTING, DRILLING, BONDING AND FITTING MAXTOP QUARTZ

Adhesive application

Please follow the full cartridge set up, storage and health and safety procedures available on each adhesive cartridge. Maxtop adhesive comes in 50ml (2 part) packs and applied with a 50/50 adhesive gun.



- Maxtop adhesive is for both quartz and acrylic surfaces.
- Surfaces must be prepared spotlessly clean and dry for operation with the adhesive. Prepare with alcohol wipes to avoid contamination and discolouration.
- Working time for adhesive is 8 to 13 minutes.
- Fixture time is from 30 to 40 minutes.
- Glued parts must remain stationary.
- Apply sufficient adhesive to all quartz edges and bottom PVC edge. Clean out excess adhesive to form a neat V-groove joint. Use masking tape to sloping edges of the groove so excess adhesive can be easily removed. The normal practice when jointing stone is with the V-groove method, which provides a classic stone look.

Fixing Maxtop Quartz to kitchen units

Worktops should be screwed directly through the carcass rail into the PVC balancer.

If at corner joint situations no suitable worktop rail can be located, add fixing battens to the underside of both components parallel to the joint.

Screw into PVC balancer and batten to batten, to ensure a secure joint connection.

Expansion

Always allow 3mm all around against walls and abutments for expansion.

Always radius by a minimum of 12mm internal corners where worktops require shaping around walls, pipes or ductwork. This alleviates the stresses induced across a 'sharp' corner which can otherwise act as a stress release point and cause cracking during thermal or mechanical movement.

Maxtop matching acrylic upstands are 8mm thick and easily cover expansion gaps.

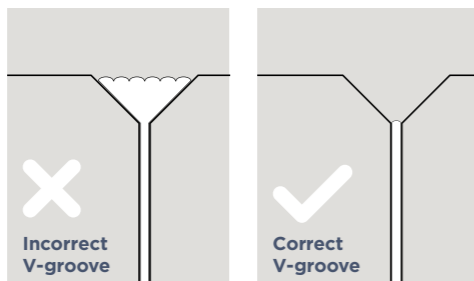
Drilling procedure

A standard portable electric drill is all that is needed to bore through Maxtop Quartz.

Use the 12mm or 35mm diameter diamond hole saw available in the Maxtop Quartz installation kit to bore through the quartz surface. The quality of the drill bits makes the process simple.

The larger 35mm hole saw is normally selected for internal corner radii as this provides additional strength at vulnerable locations and is a practical size for preparing an aperture saw cut for inset sinks and hobs. Drilling process is best undertaken with our Maxtop Quartz Universal Drill Guide for accuracy and safety (See page 15, step 1).

Do not fill the V with adhesive!



9 INSET SINK AND HOB INSTALLATION

1 Mark out sink or hob position on masking tape on the surface of quartz for protection.

Drill corners with the 35mm hole saw, adhering to the drilling procedures on page 14.



2 Cut out aperture with a circular plunge saw with the guide rail clamped securely to the work surface. Use the diamond coated saw blade from the installation kit to connect the four holes.

The last 25mm of the cut can be done with a diamond coated jigsaw blade if required for control (Start from the centre of the cut to avoid over stressing the material).



3 Clean dust from the surface and seal the sink or hob in place with silicone or PU adhesive to protect the kitchen carcass.

Use aluminium heat reflective tape to prevent heat damage at hob cut-out's, leaving a 3mm clearance gap all around for expansion.



10 ACRYLIC EDGING SOLUTION

Maxtop Quartz is conveniently pre-edged all around, eliminating the need to edge on site for most applications. Jobs involving island units or 45 degree chamfers will require a minimal amount of site procedure.

Maxtop utilises edging manufactured from acrylic material which matches the quartz surface. This minimises damage during transportation and facilitates simplistic on-site fabrication procedures.

Maxtop edging (600x42x8mm and 900x42x8mm) is rebated all around as standard to ensure a strong fit and the correct trimmed bevel size to top and side edges.

Acrylic edging solutions come with every Maxtop worktop component and can be located at one end of the packaging.

1 Check cut end of Maxtop worktop is square and true from the saw cut. If slightly out, it is better to square off with a router using the diamond router blade from the Maxtop Quartz installation kit.

With a knife, trim down honeycomb core by approximately 4mm to house for male section of the rebated edging.



2 Remove dust and debris and thoroughly clean end cap and core area with alcohol wipes and apply matching Maxtop Quartz adhesive (50ml-2 part).

Clamp and clean off excess adhesive. Use 'E' clamps to hold edging securely in place during adhesion. Allow up to one hour to dry.



3 Create a matching bevel by using an orbital sander (180 grit for bulk work and 360 grit to finish) to form the required bevel to three edges.

Alternatively, apply bevel with a laminate trimmer (TCT bevelling blade) and lightly sand to finish. Maxtop edging comes water-polished to match the lustre of the quartz surface so little or no face finishing will be required, providing care is taken during the installation. Slight scuffing of the face can be removed with the random orbital sander.



Don't use Maxtop Quartz diamond tools on acrylic accessories (use TCT cutting tools)



11 MATCHING ACRYLIC UPSTANDS

- 40mm high upstands (one long and one short) are free in every 600mm wide worktop pack.
- Use PU or silicone adhesive for fixing to wall or surface of worktop.
- 100mm high upstands are available to order separately from Maxtop distributors.



40mm upstand



100mm upstand

12 UNDERMOUNT SINK INSTALLATION

Maxtop Quartz is primarily used with inset sink applications for simplicity and optimum installation speed. However, undermount applications can also be achieved with an additional 20-30 grit coarse vacuum brazed diamond router blade which can be ordered separately to the standard installation kit.

Please note that the finishing router process cannot take place until all of the backing material is first removed.

Treat the quartz surface cut-out and core material cut-out as two separate jobs. Do not use the diamond router on the polypropylene core as contamination can occur through heat generated during the process. Melted plastic debris will require cleaning off when the cutter has cooled.

We recommend a minimum 1600W router to do the work.

Work on a base board to minimise dust and control the removal of the aperture.

1 Position sink jig on aperture location and clamp firmly to work surface.

Using a 20-30 grit coarse blade, plunge the router through the 8mm quartz surface at full router speed. Work carefully and slowly, following the contours of the jig to cut the provisional aperture.

Take your time for the best result. A typical bowl and a half may take 10 minutes to physically cut. Use portable vacuum equipment during routing ensuring residual quartz dust and debris is removed from the surface of Maxtop as you proceed.

Make sure your MDF or plywood jig is sanded to a good standard as its contours will be mirrored in the sink aperture when cut.

Proprietary CNC manufactured MDF or compact grade laminate jigs provide the best results if available for your sink model from tooling accessory suppliers.



Cutting Maxtop Quartz is much different to cutting timber or wood based sheet materials.

Maxtop Quartz tools are designed for cutting stone and are coated in diamonds that effectively 'file' away the surface of the quartz material (as opposed to 'slicing' wood with a TCT blade) and pushing or leaning on the machine can cause overheating, resulting in an inefficient cut and abnormal wear.

Cut at full machining speed and allow the diamond blade to do the work without pressure for a clean and accurate result. Maxtop Quartz tools are fine quality vacuum brazed for longevity - always use them correctly.



2 Without disturbing the jig set up, conveniently detach the polypropylene core material and PVC backing with a helical plunge cutter suitable for PVC (6mm diameter/8mm shank/8mm collet) by routing within the coarse cut groove.

(Set the blade to lightly score the base board). The aperture piece can then be easily removed from the surface.



3 Remove the last 1.5mm of quartz aperture with the 70-80 grit polishing blade from the installation kit, carefully cleaning off any unevenness so the aperture mirrors the contour of the jig.

Please note: If the sink is a square design, ensure you leave a minimum 12mm radius (use 35mm hole saw wherever possible) in each corner of the sink to remove vulnerability to stress cracking from sharp corners.



4 The reverse side jig is used to form a larger aperture so that the flange of the sink can abut the underside of the 8mm quartz surface.

Working from the underside, use a conventional TCT twin-fluted router to remove the honeycomb core material and PVC backing from the perimeter of the aperture, exposing the underside of the 8mm quartz surface.



12 UNDERMOUNT SINK INSTALLATION

5 When all of the backing is removed, proceed to scrape off the fibreglass webbing from the underside of the exposed quartz, vacuuming all dust and debris away to achieve a clean, smooth surface ready to abut the sink flange.



6 The inside of the aperture can then be sanded down, firstly with the coarse 50 grit sanding block to remove any further excess and then the 800 grit polishing block to provide a final smooth finish.

A small bevel can be applied with the sanding blocks to the rim of the aperture to remove the sharp surface edge.



7 Tap hole cut-out

The tap hole should be cut with a standard 35mm vacuum brazed diamond coated Hole Saw (from the Maxtop Quartz installation kit) in conjunction with the Maxtop Universal Drill Guide.

Ensure all dust and debris is removed and then move on to the second fix of sink to worktop.



8 Fixing your sink in position

Invert worktop and silicone the sink to the underside of the 8mm quartz. Clean off excess from the face.



9 Fixing your sink in position

Apply metal clips all the way around the aperture (as per manufacturer's instructions) and secure by bolting to the underside of the sink flange for structural stability and to support additional weight when loaded with water and kitchen utensils. The PVC backing provides a sound base for screw fixing the clips.



10 Moving installed sink and worktop into position

Lift carefully and don't 'bounce' the worktop as you move into position. Until the worktop is located on the carcass there is weakness in the narrow part of the cut out and over robust handling could lead to stress cracking in the worktop. When the worktop is in place, quartz offers high performance and longevity.



13 BELFAST SINKS

Maxtop Quartz is 100% waterproof and an ideal solution for Belfast sinks.

Belfast sinks are simple to accommodate in Maxtop Quartz and require no special fabrication or internal edging. The solution is completed in three separate pieces of 100% waterproof Maxtop Quartz..

Worktop Piece 1

Has factory finished quartz edge overlapping sink at left-hand side.

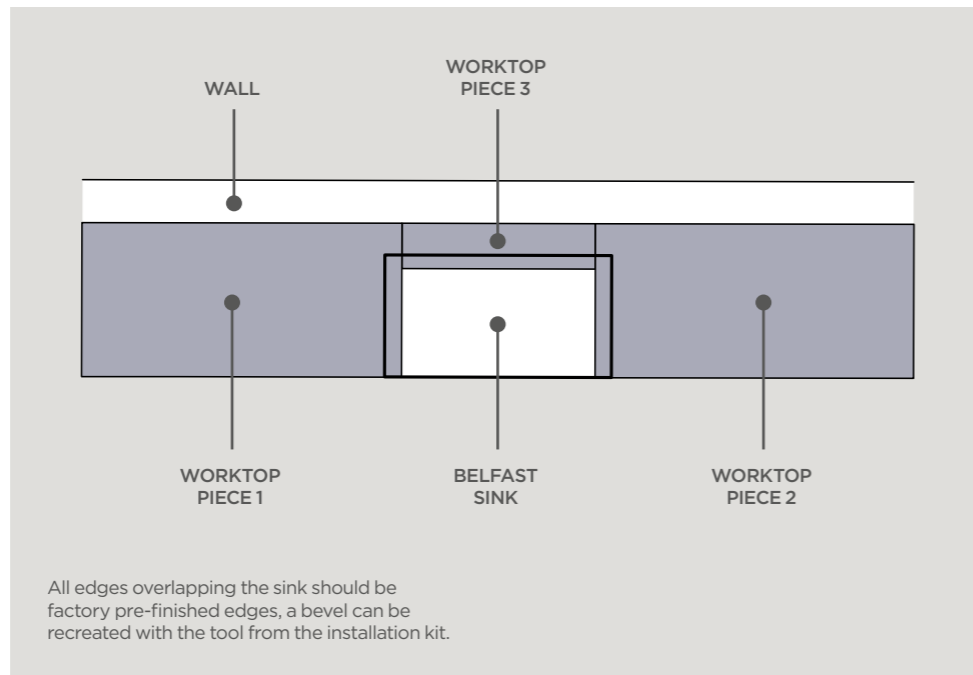
Worktop Piece 2

Has factory finished quartz edge overlapping sink at right-hand side.

Worktop Piece 3

A finishing section of Maxtop with factory finished quartz edge overlapping the sink at the back.

This section forms a butt joint with pieces 1 and 2 and a bevel should be applied on its left and right hand cut ends to match the factory finished bevel on pieces 1 and 2, forming a neat V-groove joint as illustrated on page 13; and then bonded as explained in section 8 (page 14).



14 DRAINER GROOVES

Straight drainer grooves can be achieved in Maxtop Quartz to a maximum 4mm depth.

Use a proprietary drainer groove jig for the best results. Jigs should be securely clamped to the worktop with absolutely no movement, to avoid chattering (vibrating) and slight surface flaws in the grooves.

Drainer groove router blades (coarse and polishing) are required to form the grooves (12.7mm diameter shaft).

Router the shape carefully with the 40 grit coarse blade, taking 2 passes to a depth of 3.0mm. Then use the 70-80 grit polishing blade to remove the last 0.5mm to 1.0mm. We recommend a maximum depth after polishing procedures of 4mm. Work carefully in one direction starting from inside the aperture into the worktop, for both undermount and Belfast styles of sink.

Grooves should then be polished with hand finishing pads, frequently removing dust with a damp cloth until fabrication marks are removed. Take care not to sand the high gloss surface of the quartz.



Grooves cut into the quartz will never replicate the factory finished high gloss surface and the result will be a smooth matte effect after sanding, accentuating the engraved look.

Darker colours take much longer to polish and always look grey when routed, which is normal in any quartz material. The lighter the colour, the less colour contrast in the drainer groove. Consequently, white is the easiest colour to fabricate, taking less time to finish the grooves. It is important that texture and colour contrasts are explained to end users before fabrication.

Drainer grooves at a maximum depth of 4mm should be regarded as decorative only and not considered as a practical draining solution. However, they do help to contain spilt liquids around the area of the sink.



15 CARE AND MAINTENANCE



Recommended precautions

Never place hot utensils or other objects from heat sources directly on to Maxtop Quartz. Always use a trivet or worktop saver to protect your surface. Quartz products should not be subjected to temperatures above 150°C Sustained heat from casserole dishes, woks or other oil based cooking utensils could cause the surface to crack from the sudden temperature change, especially near the edges.

Do not use polish, sealants or repellents.

Never clean with products that contain Trichloroethane, Methylene or Dimethyl Chloride such as paint removers or strippers, caustic soda or products with a pH. value of more than 10. If bleach or solvent is used, it should be diluted with water and never left in permanent contact with the product. Avoid all chlorine based products and any contact with fluorhydric acid.

Do not use degreasing agents with a high mineral content or highly vigorous products. Avoid oven cleaning products, methylene chloride cleaning products, acids for unblocking drains or nail polish remover with acetone.

Maxtop Quartz is highly scratch resistant but avoid scraping the surface with diamond jewellery, stone objects or sharp stainless knives. Also avoid using metallic scouring pads. Always use a counter saver or cutting board in your work area.

Maxtop Quartz is not for use outdoors or situations where there is a strong concentration of UV light.



How durable is Maxtop Quartz?

- Maxtop Quartz is non-porous, so stain and odour causing bacteria, mould, and mildew cannot penetrate the surface.
- Maxtop Quartz is resistant to stains, scratches and scuffing and also highly heat-resistant. It has high resistance to most common household chemicals.
- Maxtop Quartz is low maintenance and no sealing, waxing or special polishing is required compared to granite, timber or acrylic based solid surface materials.
- Maxtop Quartz is 100% waterproof and contains no timber based materials.

15 CARE AND MAINTENANCE

Regular cleaning

Simply clean with warm water and mild detergent to keep Maxtop Quartz surfaces looking their best.

To remove adhered material such as food, gum, nail polish or even dried paint, first scrape away excess material with a plastic putty knife and then use a damp cloth to remove any marks or residual dirt.

Stains can occur on the surface of the material if fruit, tea or coffee etc. is not wiped away in good time. Stubborn surface stains can be removed with a paste of baking soda and water.

If the stain is especially stubborn, cover the stain with the mixture and a plastic wrap (e.g. an upturned plastic container to keep in place). Leave overnight and rinse with warm water in the morning and the stain should be lifted from the surface.

For an all over deep cleaning of Maxtop Quartz, saturate with spray-on glass cleaner and allow up to 10 minutes before wiping away with a wet cloth.




16 MANUFACTURER'S WARRANTY

Maxtop Quartz comes with a comprehensive manufacturer's warranty of 25 years which covers manufacturing defects and is subject to correct installation as described in these instructions and fair wear and tear.

The warranty can be viewed on the Maxtop Quartz web site at www.maxtopquartz.co.uk

Maxtop Quartz warranty centre:

Maxtop Quartz Ltd,
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Levenshulme,
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M19 3JH

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