APOLLO QUARTZ PRODUCT MODULE
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What is Quartz?

- Made from 93% quartz crystals and 7% resin binder, glass, mirror and colour pigments.
- Man-made product
- Looks and feels like natural stone.

**Composition:**

- 93% crushed quartz
- Crushed mirror/glass metallic flakes (certain colours)
- Pigment
- Resin
The raw materials are stored in giant silos before being mixed together to create the batch.

The mix is then poured into slab moulds, in a continual line process, degassed and then baked.

Once baked and cooled, the slabs are calibrated.
Once cooled, the slabs are polished. Slabs are final inspected. Slab are then organised (by batch) and stored ready for despatch.
The worktops are cut from the raw slab material using one of our bridge saws or our Combi Cut (the only one in the UK - pictured).

Once cut, the edge detail is applied using one of our edge polishers.

Then the cut outs and drainer grooves are added on one of our CNC machines.

After this, it’s taken for hand finishing, (certain processes require hand finishing, such as cut outs with a small radius) QA checked and then packaged ready for despatch and installation.
Plain colours can be prone to contamination (e.g. light colours show small dark spots while darker colours may appear patchy with lighter spots) and occasional contrasting coloured stone chips can be expected in material of natural origin; these are not defects in the material.

Where mirror or glass reflectors form part of the matrix of the worktop, their distribution and orientation will be random; it is not possible for all mirrored flecks to be facing the surface; where surface mirror flecks become detached these may sometimes repaired using a resin filler.
Engineered stone is vibrated to remove any air trapped during manufacture and it is common to find very small air holes (pores) in the surface of all colours, these are inherent in the manufacturing process of engineered stone and are not considered as defects.

Quartz is a batch product. A batch produces around 150 slabs. As the raw material is natural quartz, variations in tone, size, shape and pattern of the stone may occur between slabs and certainly between batches.

This is dependent upon the amount of natural quartz, polymer and elements such as glass that are present in the surface. Such fluctuations are unavoidable and do not effect performance in any manner.

Please note, drainer grooves are designed to create a vacuum release for items that are placed over the drainer area. Excess water that is retained over the drainer area and in the grooves themselves, needs to be wiped away as is the case with all sink drainers.
Key points & USP’s

- Uniform in colour and pattern - A solid through colour 20, 30 & 40*mm quartz surface

- Naturally resistant to mould, bacteria and mildew

- Non porous - Keeps its lustrous gloss and smooth finish without polishing and because it is non porous, it doesn’t require sealants or waxes

- Strong & Highly Durability - 4 to 5 times flexural strength of granite, heat & scorch resistant, stain and chemical resistant

* Selected colours only.
Key points & USP’s

- Scratch Resistant - Quartz is one of the hardest natural minerals in the world

- Low Porosity – low liquid absorption. Unlike other natural stone such as Granite, Marble and Limestone, it does not require any special cleaning

- Doesn't require, stain repellents or sealants
10 year manufacturers limited warranty on products and materials, warranty includes installation when carried out by Sheridan.

NSF certified - Leading the movement towards cleaner, safer surfacing materials, Quartz has been certified as food safe by International Standards Agency NSF.

NSF Certification will serve to reassure consumers who look for certified safe products, that worksurfaces have been independently tested to verify compliance with International Standards.

FIRA tested against BS6222:part3:1999, Durability of Surface finish for worktops.
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PLANNING OVERVIEW

Think through the experience before you begin!
- 2.95m x 1.35m is approximately the largest Quartz worksurface that can be manufactured in one piece (extra labour would be required for tops over 1.8 sqm, which weighs 130kg!)

- Plan the worktop layout to ensure joints don’t fall on or within 50mm of cutouts.

- Wherever possible, joints in worktops should fall on a carcass end panel not in the middle, this gives added support to a joint.

- Location of joints are determined at template stage. The number of joints will always be kept to a minimum where possible.
Quartz joints/notches are finished with a small arris to the top edge to remove sharp edges. Sealant is applied between the two pieces to prevent water ingress, it’s not used to fill the joint.

The joint when completed will show a small V-Groove
- Where Sheridan are templating, all aspects below will be taken into consideration by the Sheridan templater

**Butt Joint**
- The standard jointing method and included in cost of worktops

**Scribed Joint**
- (required for Bullnose and Sharks Nose edge only, additional charges apply)

Joints must be at least 50mm from sink or 50mm from hob cutout

Joint positions

50mm min

Joints must be from sink or hot
Joints above appliances are acceptable provided front and back support rails are fitted.

Joints should never fall on sink or hob cut-outs.
Return Ends/Options ..

- Full Return
  (or Part Return End for use against tall housing)
- Double Notch
- Internal Splay
- Triple Notch
- Single Radius
- External Splay
- Double Radius/Curved End
- Breakfront
- Curved Breakfront
Sink / Hob Cut outs...

- Unpolished cut out (overmount/inset sink or hob cutout)
- Undermounted polished sink cut out
- Tap hole
- Undermounted square polished sink cut out (less than 15mm radius corners)
- Belfast cut out (Includes drip groove on underside)
Drainer grooves are designed to create a vacuum release for items that are placed over the drainer area. Excess water that is retained over the drainer area and in the grooves themselves, needs to be wiped away as is the case with all sink drainers.

Drainer grooves and recessed drainers will be slightly duller than the surrounding worksurface, as they are machined after the slab has been polished.
Drainer Grooves ...

5 Groove (1-5mm Slope)  
Leaf (1-5mm Slope)  
5 Groove Angled (1-5mm Slope)  

Oblique – Dogs Leg (1-5mm Slope)  
Fat with a 3mm recess)  

Note: Drainer grooves do not drain
Pan rests are aesthetically pleasing and provide a solution to the problem of hot pans on worktops.

Hot pans can cause thermal shock and/or scorching when placed on a quartz worktop and the consequences can be both dangerous and damage worktops.

Pan rest are stainless steel (can also be brass on request)

Configuration is required on order

Sizes are 200/300/400mm
- Allow a minimum 50mm from the hob cut out to the front edge

- Allow a minimum of 120mm between heated cut outs (consider domino hobs and joining strips – one cut out required).

- Allow a minimum of 50mm from the sink cut out to the front edge.

- Allow a minimum of 70mm between sink cut outs.

- Apollo Quartz can expand by 1mm per metre so always allow an expansion gap
- Splash backs and upstands over 100mm must have a minimum gap from the face to the rear of the hob of: Electric 50mm, Gas 100mm

- If a waste disposal system is fitted to an undermounted sink additional support will be required. This must be addressed by the kitchen fitter/plumber **NOT** by Sheridan. Failure to add the additional support will invalidate the warranty.

- Additional support is required for ceramic sinks. This too, must be addressed by the kitchen fitter **NOT** by Sheridan.
The edge detail can completely change the appearance of a worktop to suit the kitchen design. Edge detail may also be slightly duller than the worksurface.

*Please note:* this edge detail requires a minimum worktop width of 615mm (as opposed to 600mm).
Stainless Steel Sink Installation -

- Silicone sealant may be rendered ineffective when connecting taps and plumbing in the sink.

- It is important that the sink is resealed immediately after connection to avoid moisture ingress. This should be done by the consumers plumber. Failure to do so will invalidate the warranty.
- Bevel edges are hand finished. In some instances the material may chip when cut which will result in a larger bevel being applied, which will be matched throughout the worksurfaces. Bevel sizes can vary from 3 to 8 mm.

- Bullnose and Sharks Nose edge details will require a scribed (Masons Mitre) joint.

- Apollo® Quartz joints are finished with a small arris to the top edge to remove sharp edges. Silicone sealant is applied between the two pieces to prevent water ingestion, it’s not used to fill the joint.
- Unsupported worktop overhang must not exceed 300 mm

- Maximum unsupported span between units is 600 mm. For the rear edge, anything over 600mm requires a support baton fitted to the back wall.

- Standard overhang is 35 mm from the carcass front, not the door.
Upstands are 20mm thick and 50 or 100 mm high.

Quartz upstands are straight and rigid, gaps will be visible where there are variations in the wall profile behind them.

Plastering or tiling should ideally be completed after the worksurface installation, gaps can then be minimised.

**NEVER** plaster between Template and Installation as this will ensure that the worktop will not fit!
Wall cladding will be manufactured in 20mm thickness material.

The standard joint for End Panels will be a butt joint ending with a 5mm overhang.

Also available as a flush butt joint. Unless requested otherwise we will supply a normal butt joint.

All end panels will be manufactured to the correct specified height, with no scribing allowance as the material is not easily scribed to the floor.
Handling & Size

- Limiting factors like access, stairs and service lift size should be taken into consideration with fragile nature of the tops. This will increase the number of joints required.

- For installations you will need to supply additional labour on orders which have worktops larger than 1.8m or weighing above 130kg. Every additional 75kg requires an extra person to assist with lifting. Sheridan can supply additional labour at an extra cost.

- The size of a ‘slab’ is a major factor in selecting the maximum usable length of a worksurface. Approximately 2.95m x 1.3m is the largest worksurface we are able to manufacture.

- Due to the weight of Quartz, please ensure that units are level and securely fixed before installation.
- Never place hot pans or cooking equipment directly onto the worksurface (or into an empty sink). Always use a heat protection pad or a trivet with rubber feet for hot cookwear or leave the pans etc to cool on the hob first.

- Always use a chopping board. Apart from the effect that cutting on the Quartz has on blunting your knives, whilst the surface is scratch resistant, it is not scratch proof.

- Care should always be taken to protect your worksurface from sharp or heavy items.
Whilst Quartz is a very durable specialist surface, it is a man made stone and stone can chip.

Care should be taken with exposed edges as if caught accidentally can chip.

In the event of this happening however, contact Sheridan as it is possible to repair small chips on the edges or on the surface.
The Care & Maintenance instructions that are included in the kit should be read and followed to ensure that the worktops continue to look as good as the day they were installed.

Please read the information carefully and ensure that you keep these instructions for future reference.

Your Care & Maintenance Kit contains all of the items required to help keep your new Worksurfaces in pristine condition.

Please ensure that you read and follow instructions carefully before using the products in the care kit, and always wear rubber gloves when using chemicals to prevent any cracking, drying or reactions to your skin.
Care & Maintenance instructions
Stone Guard
Matt Stone Paste (Matt/Concrete colours only)
Mark & Stain Eraser (Polished colours only)
Disposable gloves
Micro Fibre Cloth
Abrasive Disc Pad White (Matt colours only)

Stone Guard - is an anti-bactericidal surface cleaner specially formulated to tackle grease and grime leaving surfaces sparkling clean with a residual antibacterial effect.

Matt Stone Paste - is formulated for deep cleansing and restoration of matt quartz surfaces.

Mark & Stain Eraser – used to remove more difficult stains on polished surfaces.
Every day cleaning (polished & matt surfaces)

- Remember, it is always easier to wipe up a spill than to have to deal with a dried-on Stain.
- Polished quartz must not be rubbed with abrasive materials.
- Wipe the worksurface, with a damp cloth and the Stone Guard cleaner to remove any oils and fat. Buff dry with a soft white cloth.
- If any stains need further attention, allow the Stone Guard 30 seconds contact time, before wiping and rinsing.

Persistent stains (polished surfaces)

- First try the Stone Guard and allow a longer contact time.
- If necessary (for raised/persistent marks) - as above using a white, non-abrasive pad.
Persistent stains ( matt surfaces only)

- First try the Stone Guard and allow a longer contact time.

- For any other serious mark that seems as if it can not be removed with regular cleaning use a wet white abrasive pad with a little Matt Stone Paste. Apply, with plenty of water, in a large circular motion and the whole top cleaned at the same time. Rinse well with hot soapy water and dry with a clean tea towel or cloth as above.