



Cosmos Quartz Recommended Installation Guidelines

Storage:

Store your Cosmos Quartz in the area it is to be fabricated for a minimum of 48 hours prior to cutting. If Cosmos Quartz is not acclimated, Increased chances of breakage may occur when exposed to the heat and pressure of cutting, most especially under cold temperatures.

Inspection:

Prior to fabrication, the Cosmos Quartz slab(s) should be inspected for chips, cracks, voids, gloss levels, manufacturing flaws, foreign objects and color match. There is no warranty for these conditions once the slab has been cut.

Lamination Areas:

Grind away indentations or waves to an even finish on lamination areas. Fabricate notches and grooves on each piece of the build-up to create space for the adhesive. As Cosmos Quartz is non-porous it will not absorb the glue. Clean the material with alcohol and air compression before adhering the pieces together.

Seams:

The adhesive being used must be pigmented to a color that is similar to the Cosmos Quartz being used. This will yield a minimally visible seam. This can be achieved by using color paste pigments mixed with the adhesive to achieve a color match. The addition of extra colors/pigments to the adhesive avoids dark seam lines in lighter colors. Higher concentrations of pigments will keep the adhesive from changing colors once it dries.

Polishing/Edges

Polishing is to be performed wet, with diamond pads only. Dry polishing may burn the material and void the warranty. Polishing should only be performed for edge detailing and not the surface.



Edge Profiles should be performed in a progressive manner with diamond polishing pads. Better results can be expected with high quality pads and plenty of water. Polishing times vary based on the quality of the pad. Always start with a smooth surface, clean and free of adhesive. Care should be taken to not over polish beyond the factory surface polish.

The Recommended polishing grits for Cosmos Quartz:

For Honed Finishes; 100, 200. 400-grit Diamond Pads

For Polished Finishes: 100, 200,500-800, 1500-2000, 2000-3000-grit Diamond Pads

These polishing recommendations are guides for achieving a polish close to the factory surface. The type of Diamond Pads, Tools and Fabrication techniques affect actual results. Always use water-cooled tools for edge polishing. Dry polishing may cause overheating, leaving the material prone to chipping. Excessive heat can cause micro fissures that causes chipping on impact, discoloration and uneven polished surfaces.

Use lower polisher RPM for 1000-grit or higher diamond pads. Do not use stone buff pads on quartz. Do not over polish edges in excess of the factory surface.

Cosmos Quartz Mandatory Procedures

- The tops of cabinets must be flat and true to within 1/16" in 18" before installation
- Allow a minimum clearance of 1/8" between walls and Cosmos Quartz.
- Mechanical fasteners, such as nails and screws, are never to be used with Cosmos Quartz.
- All inside corners for L-shaped and U-shaped tops and cutouts must have a 3/8" radius minimum.
- Provide perimeter support of the full deck. Front to back support is to be every 24". Minimal dabs of silicone (8" to 12" apart) to secure the top to the perimeter support.
- Grooves must be fabricated on the edges of seams to provide space for the adhesive.
- The minimum edge profile is 1/8", Bevel or Pencil Round Edge.
- Extra adhesive should be placed on all corners along all joints.



Overhang Support Guidelines (standard cabinets of 24" depth)

2cm (3/4")	2cm (3/4") with 5/8" Sub Top	3cm (1-1/4")	Support Required
<6"	<10"	<12"	No additional support required
6–12"	10–16"	12–18"	Brackets or steel support required at 24" intervals
>12"	>16"	>18"	Legs, Columns or Panels required at 24" intervals

The information provided herein is intended for qualified individuals with working knowledge and skill of technical applications and are experienced with quartz slab fabrication. These people are responsible for the workmanship, quality, safety and reliability of their work.

Cosmos does not assume any responsibility for safety, workmanship or design.