



GENERAL INFORMATION

Applications ADAM Quartz is ideal for a wide range of interior commercial and residential applications, including those subject to heavy use, such as kitchen countertops, vanities, interior cladding, and furniture pieces.

ADAM Quartz is not suitable for exterior use, or any areas that are exposed to direct sunlight UV radiation or excessive heat over 300° F.

Dimensions ADAM Quartz is available in sizes that are ideal for kitchen counter and vanity tops. The slab sizes are:

- 63" (1,600mm) x 126" (3,200mm) — Standard
- Multi Sizes

Thickness options of 3/4" (2cm +/-1.5mm) or 1.1/8" (3cm +/-1.5mm).

Note: Not all colors are available in all sizes and thicknesses

Slab dimensions are used as reference for storage and transportation. Actual usability varies with slab and should be inspected prior to cutting: maximum width and length usability is determined by the slab's perimeter according to color, polish, transportation damage or any other defect that may be visible. If the slab proves to be unsuitable it should be exchanged for another prior to cutting.

Safety Guidelines Fabricators and installers are required to maintain a safe work environment.

- Read operating tool literature to be advised of hazards, applications and limitations.
- Keep guards in place and in working order.
- Ground all three-pronged tools. Never remove the third prong.
- Check for adjusting keys and wrenches before turning tools on.
- Prevent accidents by keeping work areas clean, dry, well-ventilated, well-lit and uncluttered.
- Employ Ground Fault Circuit Interrupters(GFCI) where there is water or moisture. Where masks and cut material with wet tools to reduce the amount of airborne particles inhaled.
- Ensure that children and visitors are kept at a safe distance from the work area.
- Use the right tools as designed. Wear proper apparel for work areas. Wear hair-protective covering to contain long hair. Wear ear/nose protectors and safety shoes.



- Wear approved protection eyewear. Use clamps or a vise to secure work when necessary, freeing both hands to safely operate tools.
- Don't overreach. Keep proper footing and balance at all times.
- Maintain tools in top condition. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

MATERIAL SAFETY DATA SHEET

Product Information

Description: Quartz slabs, pre-fabricated countertops, and cut-to-size countertops to be used for interior application.

Composition:

Component	Composition %
Crushed silica quartz, glass, mirror, granite, and other natural stone	≅ 89 - 93 %
Polyester resin and pigments	balance

Potential Side Effects

ADAM Quartz Surfaces in finished form does not present any health hazard to users.

Dust and powder generated from fabrication and installation may cause irritation to skin, eyes, nose, and airways. Adequate ventilation systems should exist in the fabrication work areas to minimize constant inhalation of flying dust and powder. Fabricators and installers should use vacuum cleaning equipment, dust pick/up systems, and protection masks.

Massive inhalation of crystalline silica may cause pulmonary diseases such as bronchitis, emphysema, and other pulmonary diseases.



IMPORTANT PRACTICE: we recommend the product to be made, fabricated, and installed using wet production methods.

First Aid Measures In the event of any unwanted contact with powder and dust, please follow these guidelines:

- Skin: Wash exposed skin with soap and water. Remove exposed clothing.
- Eyes: Wash hands thoroughly first. Flush eyes with plenty of water.
- Dizziness: Take the affected person to a fresh air or well-ventilated area.
- Ingestion: Seek medical attention.

Fire Fighting Measures The product is hardly flammable.

- Extinguishing Method: Use standard extinguishers.
- Firemen Protection: Standard equipment.
- Exposure: No explosion danger.

Preventive Measures/Personal Protection

Cutting, Sanding, and Polishing

- Use safety goggles, face and neck protection, and dusk masks.
- Use dusk extraction equipment.
- Use dust vacuum cleaning equipment.

Slabs and Countertops Handling

- Recommended to do in an adequately marked area away from frequent foot traffic.



Physical & Chemical Properties

Physical appearance:	Multi-colored engineered quartz stone
Odor:	Odorless
Moisture Absorption:	0.07%
Density:	2cm thickness = 45 kg/ m2 (9.8 lb / sf)

Technical Properties

Durability	
Mohs Hardness Scale	Quartz = 7 (Diamond = 10, hardest)
Impact Resistance	No fracture
High Temperature Resistance	No effect

Strength	
Flexural Strength	4,112 psi
Compressive Strength	30,100 psi

Stain Resistance	
Stain Resistance	No effect
Wear and Cleanability	Pass

Chemical Resistance	
Resistance to Household Chemical	Pass
Resistance to Chemical Substances	Not affected



Safety and Health	
Surface Burning	Class A rated
Styrene	Not detected

ADAM Quartz testing is performed by SGS Testing Company - an US Independent Laboratory. Testing represents average results. Results may vary for different ADAM Quartz series. For more details, please refer to ADAM Quartz Technical Specifications.

Polishing Edge Profiles Granite or marble diamond polishing pads should be used to progressively polish edge profiles. ADAM Quartz recommends the use of premium quality pads and plenty of water for best polishing results. Begin with a surface that is smooth, clean, and free from any residual adhesive.

Note: Care must be taken not to over polish edges in excess of the factory surface polish.

Recommended polishing process for ADAM Quartz:

- Honed finish 100, 200, 400-grit diamond pad
- Polished finish 100, 200, 400, 500-800, 1500 grit diamond pad

These recommendations are a guideline for achieving a polish equal to the factory surface polish. The type of tools, diamond pads, and fabrication techniques will affect actual polishing results. When polishing the edge profile, use water-cooled tools. **Dry-polishing the edge profile may cause overheating**, leaving the edge prone to chipping. Excessive heat undermines the physical structure of the slab, and although not visible to the naked eye, micro-fissures are formed, leading to chipping upon impact, discoloration and an uneven polish.

- Do not use stone "buff" pads on ADAM Quartz.
- Do not over polish edge details in excess of the factory surface polish.



Mitered Edges

- Mitered edges should be done at a 45° angle to ensure maximum strength. The joint should be clean, flush, and parallel
- Mitered edges have the greatest area of weakness and are most prone to chipping. (Our recommended minimum edge profile is a 1/8" bevel. Our preferred minimum edge profile is a 1/8" (3-4mm) Pencil Round edge)
- Chipping is most common where adhesive is not evenly distributed throughout the joint.
- Do not cut edges at less than 45°, to reduce physical damage such as chipping.
- Incorrect angles restrict the type of edge that can be produced, since the larger the edge profile, the larger the joint that is visible.

Note: Ensure maximum strength by evenly distributing adhesive throughout the joint.

Note: Chipping of the countertop edge in this situation is not covered by our warranty.

Adhesives 100% clear silicone and other clear adhesives should be used to secure the countertops to the cabinets, substrate, or to secure ADAM Quartz backsplashes to the wall.

Epoxies, liquid nails, construction adhesive, and other non-flexible adhesives do not compensate for thermal expansion. ADAM Quartz will not warrant any claims for cracks that are the result of tops being bonded to the base cabinets with non-flexible adhesives.

Seaming & Laminations ADAM Quartz requires that all fabricators follow the individual manufacturer's instructions for the use of their seaming adhesives, including but not limited to the minimum working temperatures for their product. Failure to follow the prescribed instructions will void the ADAM Quartz warranty.

Joint Adhesives In order to achieve a minimally visible seam, the adhesive used must be pigmented to a color similar to that of the material being installed. This can be done using color paste pigments mixed with the adhesive to achieve a color match.

Laminations/Double Edges When laminating, it is important to make sure that the lamination piece is the full length of the top piece and cut at 45° on the corners. If this cannot be done and a joining of the lamination pieces is unavoidable, the joint must be cut at 45°. The use of a mitered end cut reduces stress on the material that may cause stress fractures.



The lamination strip should be cut from the same slab as the counter top surface material to ensure a color match. It's recommended when cutting the piece to be laminated, to add the lamination piece size to your cutting measurements, ensuring that you will have the same length and same color piece for your lamination.

- A 45° corner joint is recommended to minimize the stress on corners.
- Use full-length lamination pieces.
- For very long countertops where a joint is required, ensure that the joint in the lamination piece is at 45° to reduce any stress points.

Seaming

- Use a state-of-the-art seam setter tool to make seams as narrow and inconspicuous as possible. Seams should not be more than 1/16" wide.
- All seam surfaces should be smooth and free of debris.
- ADAM Quartz requires the use of colored glue for all seams. This can be accomplished by using one of the premixed Integra colors available or by manually tinting the glue of your choice.
- Grooves should be created in surfaces to be joined to allow space for glue. Extra glue should be placed at all corners and around joints. Note in Pictures A and B.
- Seam locations should be carefully planned to minimize visibility.
- ADAM Quartz prohibits the surface polishing of seams.
- Never install mechanical fasteners (screws, nails, etc.) into ADAM Quartz.

Joint Positions Seam over dishwasher (not recommended)

- In a case where a seam must be located over a dishwasher, the use of a full deck-isolated support is required. This will allow proper support for the area as well as allowances for thermal movement.
- When installing 3/4" (2cm) material the plywood sub top over the dishwasher must be isolated from the rest of the sub top. This should be done by allowing 1/8" clearance on either side of the full deck support.
- On seams, miters, and lamination areas, it is necessary to grind notches or grooves on the surfaces to be bonded together. ADAM Quartz is nonporous and will not absorb the adhesive — these notches provide a space for the adhesive within the joint