



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.



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- 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



INSTALLATION INSTRUCTIONS

Preparing Base Units/Cabinets Ensure that cabinets are complete and satisfactorily installed. Verify that all cabinets are level. The tops of the cabinets must be flat and true within 1/16" (1.5mm) over 18" (457mm). The cabinets should be affixed to each other and then secured to the back wall. In the case of a dishwasher, make sure that the surrounds of the opening of the counter will have sufficient support. The front edge of any countertop over a dishwasher should always be supported with material matching the installed cabinets to better match the kitchen.

NOTE: If cabinets do not meet the minimum standards, the installer must notify the homeowner or project manager present at the job site prior to installation of tops.

Support Below are some guidelines on installation, material, and type of supports:

- ADAM Quartz must be supported on a strong perimeter frame.
- Front-to-back support within the cabinet should be provided every 24". Plan for front-to-back support strips 2.5"-wide (40mm-100mm) to coincide with cutouts and periodic support. Support must be provided under all countertop joints.

NOTE: Support is required across the top of a dishwasher space and over an under-counter oven.

Overhangs As a general guideline, support is required for overhangs of ADAM Quartz. The following guidelines are for standard cabinets 24" in depth:

2CM (3/4")	2CM (3/4") with 5/8" plywood	3CM (1-1/4")	MATERIAL SUPPORT REQUIRED
Less than 8" (200mm)	Less than 12" (300mm)	Less than 16" (400mm)	No additional support required.
8-16" (200-400mm)	12-20" (300-500mm)	16-24" (400-600mm)	Brackets required at 24" (600mm) intervals.
Over 16" (400mm)	Over 24" (500mm)	Over 24" (600mm)	Legs, Columns or Panels required at 24" (600mm) intervals.



Fitting

- Space should always be allowed as ADAM Quartz needs room to expand. Each countertop requires at least 1/8" at each wall for expansion and contraction.
- When affixing the ADAM Quartz surface to the supports, use only dabs of flexible silicone 8-12" apart. Extra adhesive must be placed along all joints and cutouts.
- Mechanical fasteners (screws, nails, etc.) must never be affixed directly onto ADAM Quartz. Through bolting is permitted.

Countertop Installation We only recommend the use of 100% silicone adhesive for affixing ADAM Quartz surfaces to cabinets and for all supports.



CARE AND WARRANTY

Because ADAM Quartz is non-porous, thorough cleansing with a damp cloth and mild detergent is all that's needed. Repeating once a week to maintain that clean, clear, new look is as simple and easy as it gets.

Stains or Spills Stubborn stains and dried spills can be easily removed with non-abrasive household cleaning supplies, such as Soft Scrub Liquid soap, damp cloths, sponges, and other non-abrasive pads. Anything a bit stickier can be quickly removed with a plastic putty knife.

Cleaning Products to Avoid Cleaning products with pH levels between 6 and 8 are the best choice for cleaning. Anything outside of this range can potentially damage your ADAM Quartz surface, but quickly neutralizing with water and wiping with a damp cloth is a quick and easy solution to harmful exposure.

Heat Resistance While ADAM Quartz is more heat resistant than other types of stone, such as granite, placing hot pads or trivets between hot cookware and your ADAM Quartz surface can prevent damage caused by rapid, extreme temperature fluctuations.

Tough, but will maintain Using cutting boards, hot pads, non-abrasive chemicals are an easy way to always keep your ADAM Quartz surface clean, clear, and new.



LIMITED 10 YEARS WARRANTY

If properly cared for there should never be a problem with your ADAM Quartz Surface. Quartz is an extremely hard material and will offer you one of the best solutions for your residential countertop. Please carefully read the terms and conditions of the ADAM Quartz Residential Warranty.

Terms and Conditions:

- This warranty program applies to the Original Purchaser of ADAM Quartz Surfaces. For a single-family home, the original purchaser refers to the Original Owner who has ADAM Quartz Surfaces permanently installed in his/her residence. If the product was purchased through a builder (for a newly constructed home), the warranty applies to the First Owner of the property who purchased and installed ADAM Quartz Surfaces in his/her residence. This warranty does not cover any residence where the First Owner is not the occupant.
- This warranty expires upon transfer of ownership of the property to subsequent parties. This warranty is not transferable and does not cover claims made by subsequent owners of your home.
- This warranty applies only to ADAM Quartz Surfaces which have been permanently installed in an interior application and has not been removed from the original installation area(s).
- This warranty applies only to surfaces which have been maintained according to the ADAM Quartz Surface Care & Maintenance Guide. This warranty does not cover damage caused by product mishandling, improper care and maintenance, impact damage, heat damage, physical and chemical abuse, and damage resulting from exposing the product to extreme weather conditions. ADAM Quartz Surface Care & Maintenance Guide is available at www.adamquartz.ca
- This warranty covers ADAM Quartz Surfaces that have been installed by ADAM Quartz's network of Certified Fabricators and Installers who follow the guidelines and processes set forth in the ADAM Quartz Fabrication and Installation Manual. It is the sole responsibility of the owner(s) of the residence(s) to ensure that Certified Fabricators and Installers are used for their projects. This warranty does not cover any improper/defective workmanship performed by any fabricator, whether certified or not, who does not follow the requirements set forth in the ADAM Quartz Fabrication and Installation Manual. Please contact your area distributor(s) to inquire more about ADAM Quartz's network of Certified Fabricators and Installers.
- Visual inspection of the slabs prior to fabrication is very important. Fabricators are required to perform detailed inspection of the slabs at the time of the purchase and prior to fabrication. This warranty does not cover any product defects that were visible at the time of purchase and/or prior to fabrication.



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- This warranty does not cover chips, scratches, color variances, thermal shock, misuse or improper/defective fabrication. Make sure to check your ADAM Quartz countertops thoroughly at the time of installation. ADAM Quartz Surfaces are highly resistant to scratches, but they are not scratch proof. No cutting shall be done directly on the surface and a cutting board shall always be used. Proper care and maintenance shall be followed at all times — refer to the ADAM Quartz Surface Care & Maintenance Guide.
 - This warranty does not cover additional modifications or supplemental repairs such as structural changes, plumbing, electrical, cabinets, tiles, etc. that may be necessary to complete the repair or replacement of ADAM Quartz countertops covered under this warranty. These material and labor costs shall be the responsibility of the customer.
 - This warranty only applies to polished finishes. It does not apply to surfaces with honed and textured finishes.
 - This warranty does not cover finishes that have been altered from their original ADAM Quartz factory-applied finish. Any issues arising from the practice of "additional and/or in shop honing" are the sole responsibility of the fabricator who performed the process and/or the owner who purchased the original ADAM Quartz Surfaces.
 - This warranty does not cover any creative adjustment made to the material including bending, curving, thickness reduction, or any other alteration to the original ADAM Quartz factory material.
 - This warranty does not cover any failures due to inadequate support for the installation. This includes overhangs in excess of recommended support guidelines or an unsupported base.
 - As ADAM Quartz slabs contain natural quartz, this warranty does not cover natural variations in the color, size, and pattern movement of the slabs. These characteristics are inherent in the quartz stone. The customer is responsible to perform a visual inspection of the slabs during purchasing to ensure the selected slabs meet his/her specifications. If after or during installation, the customer decides to change colors, edging profiles or finishes, this decision is not covered under this warranty.
 - Color samples provided to customers, fabricators, and installers may not match to the actual stone. ADAM Quartz is made of natural quartz. Variation in color, shade, pattern, and grain size is expected of this natural product. Samples are small pieces cut from a slab; they do not display all the characteristics of the actual slab. Purchases should never be made based on samples alone. We recommend the customer to inspect and approve the actual slabs to ensure the right color is purchased.