

PRECISION COUNTERTOPS

P.O. Box 387, Wilsonville, OR 97070
Phone (503)-692-6660, Fax (503) 691-1081
CCB# 0057308

Project: Historic Bank Block 3rd Floor
Boardroom
309 SW 6th Ave.
Portland, Oregon 97204

Architect: LRS Architects Inc.
720 NW Davis Street #300
Portland, Oregon 97209

General Contractor: Johnson Project
Solutions Inc
919 SW Taylor Street
Suite #800
Portland, Oregon 97205

Enclosed Documents

1. Pental Quartz Safety Data Sheet
2. Pental Quartz Care and Maintenance
3. 1 Year Warranty
4. As Built Drawings



VICOSTONE[®]

Q U A R T Z S U R F A C E S

Also Known As **pen**tal**q**uartz[®] In North America

SAFETY DATA SHEET

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SDS Date: May 05th, 2015



1. Product and company identification

Product Name: **VICOSTONE[®] QUARTZ SURFACES**

Company: **VICOSTONE JOINT STOCK COMPANY**

Address: Hoa Lac Hi-tech Park, Hanoi, Vietnam

Email : info@vicostone.com

Website: www.vicostone.com

Phone number: +84 423 477 286

Fax: +84 433 686 652

2. Hazard(s) identification

VICOSTONE® Quartz Surfaces are safe for delivery, storage and use as certified by GREENGUARD for indoor air quality, children and schools and by NSF for food safety (ANSI 051). However, operations such as sawing, drilling, grinding, sanding and routing can generate silica dust. The fine dust of quartz (silicon dioxide) containing crystalline silica can cause potential health effects.

- *Acute Eye:** Dusts and flying particles generated during cutting, grinding and forming may cause irritation to the eyes such as burning, redness, and tearing.
- *Acute Skin:** Dusts generated from this product may cause skin irritation.
- *Acute Inhalation:** Dusts from product may cause irritation to respiratory tract, nose, throat and lungs.
- *Acute Ingestion:** Dust may cause gastrointestinal irritation if swallowed.
- *Chronic Exposure:** Prolonged exposure to respirable crystalline silica can cause silicosis and has been linked to other diseases, such as lung cancer, tuberculosis, fibrosis of the lungs, chronic obstructive pulmonary disease and kidney disease. The risk of lung diseases will increase if smoking is combined with silica inhalation. Always use a respirator or particular mask when cutting or abrading this material and to avoid generating dust, wet cutting methods should be used.
- *Aggravation of Pre-existing Conditions:** Not Determined.

3. Composition/ information on ingredients

Component	CAS#	% Composition
Crystalline Silica (quartz)	14808-60-7	Around 90
Polymeric Resin	N/A	7-12
Pigment and Trace Minerals	N/A	Around 2

4. First aid measures

- *Eye Exposure:** Immediately flush eyes with copious amounts of water for a minimum of 15 minutes. If irritation is present after washing, seek medical attention. To avoid eye exposure, always use protection with side shields when cutting or abrading the product.
- *Skin Exposure:** Wash skin with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if adverse effects occur.
- *Inhalation:** Move the affected person from the hazardous exposure. If breathing is difficult, or has stopped, perform emergency rescue procedures such as artificial respiration or send for first aid or assistance.
- *Ingestion:** If the material is swallowed, seek medical attention or advice.

5. Fire fighting measures

- *Auto Ignition:** The product can be combusted only with difficulty. Decomposition products resulting from the polymer and pigments degrading at elevated temperatures include various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides and mica particles could also be released.
- *Extinguishing-Media:** Water, Dry Chemical, CO₂, and Foam
- *Fire Fighting-Instructions:** Keep all personnel removed from the area and from the upwind of fire. Fire fighters should wear complete fire protective clothing and self-contained breathing apparatus operated in positive pressure mode.

6. Accidental release measures

If VICOSTONE® Quartz Surface is accidentally broken, handle the broken pieces with industrial gloves and follow the safe handling procedures. The waste should be disposed of properly and follow the local, state and federal regulations for waste disposal.

If large amounts of dust develop during cutting or sawing processes then vacuum or sweep the dust and dampen the contaminated area with water to avoid the dust becoming airborne. Always wear respiratory protecting masks and protective clothing when handling silica dust. Seal all the waste in vapor tight containers for proper waste disposal. Care should be exercised all the time to ensure that the silica dust and sludge do not enter the waterways. If large quantities of this material enter the waterways, contact the Environmental Protection Authority, or local Waste Management Authority.

7. Handling and storage

VICOSTONE® Slabs are very heavy and breakable; handle carefully, with at least two people, to avoid injury and prevent damage. When handling this material always use industrial protective gloves and proper lifting devices. Also make sure that the lifting straps and lifting clamps are free from defects. Keep a safe distance when handling / lifting this material.

Proper industrial hygiene practices should be followed after working with materials containing silica. Use soap and water to wash hands thoroughly after work. Change into clean clothes before leaving the worksite.

8. Exposure controls/personal protection

*Exposure Guideline

Keep exposure to silica dust levels as low as possible, preferably below exposure standards:

Reference	Guideline or limit ($\mu\text{g}/\text{m}^3$)
Occupation Safety and Health Administration (www.osha.org)	OSHA permissible exposure limit (PEL) for respirable crystalline silica (quartz) is 50 $\mu\text{g}/\text{m}^3$ as an eight-hour time-weighted average (TWA)

The national Institute of Occupational Safety and Health (NIOSH) (www.cdc.gov/niosh/)	Recommended Exposure Limit (REL) for respirable crystalline silica (quartz) is 50 µg/m³ of air as a TWA for up to a 10-hour work day of a 40-hour workweek.
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- *Engineering-Control:** Always cut the slabs in well ventilated areas with the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Use sharp and wet tools in fabrication and installation to substantially reduce the amount of dust generated.
- *Respiratory-Protection:** Respirators may protect workers from inhaling crystalline silica dust when carefully and properly selected, worn and used. Use only respiratory protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces.
- *Eye / Face-Protection:** During cutting, grinding or sanding operations, safety glasses with side shields or goggles should be worn.
- *Skin Protection:** During cutting, grinding or sanding operations, use appropriate body protection for tasks including work gloves if handling sharp or rough edges and steel-toed shoes if lifting product.
- *Hygiene-Protection:** Wash hands before eating and drinking and always wash contaminated clothes before using again.

9. Physical and chemical properties

*Physical-Appearance:	Multi-colored engineered stone
*Odor:	None
*PH:	NA
*Specific Gravity-Density:	2.2-2.5
*Water Solubility:	Insoluble
*Melting Point:	NA
*Freezing Point:	NA
*Boiling Point:	NA
*Vapor Pressure:	NA
*Percent Volatiles by Volume:	NA
*Evaporation Rate:	NA
*Viscosity:	NO
*Flash Point:	450°C
*Explosion Limits:	Lower: NO Upper: NO
*Auto Ignition-Temp:	At temperatures greater than 450°C, this product will auto ignite.

10. Stability and reactivity

*Stability:	Stable
*Conditions-to Avoid:	None
*Materials/Chemicals to be-Avoided:	This product is incompatible with hydrofluoric acid. Silica will dissolve in hydrofluoric acid and produce the corrosive gas silicon tetra fluoride.

***Hazardous
Decomposition
Products:**

Upon decomposition, various hydrocarbons, carbon dioxide, carbon monoxide fumes, and water may be released.

***Hazardous-
Polymerization:**

Will not occur.

11. Toxicological information

Health effects from the likely routes of exposure (inhalation, ingestion, skin and eye contact):

***Acute Effects:**

Inhalation (Human): 0.3mg/cubic meter/10 Y

LC Lo: Inhalation (Human): 16mppcf/8H/17.9 Y

TC Lo: Intermittent, focal fibrosis, pneumoconiosis, cough, dyspnoea

Inhalation (rat) TC Lo: 5.0 mg/cubic meter/6 H/71W- Intermittent – Liver Tumors.

***Chronic Effects:**

Prolonged and/or massive inhalation of crystalline silica can cause pulmonary fibrosis and pneumoconiosis and silicosis, as well as a worsening of other pulmonary diseases (bronchitis, emphysema, etc). The main symptom of silicosis is the loss of pulmonary capacity. People with silicosis have a greater risk of getting lung cancer.

***Warning for
Inhalation
Exposure only:**

Crystalline silica (respirable size) has been classified by the IARC as Group 1 Carcinogen to humans.

12. Ecological information

Environmental Fate: Not Determined

Environmental Toxicity: Not Determined

ISO 14001 Certification: VICOSTONE is granted the ISO 14001 certificate for Environmental Management Systems.

GREENGUARD Indoor Air Quality Certification & GREENGUARD Children and Schools Certification give assurance that VICOSTONE[®] Quartz Surfaces are safe for indoor air quality, children and schools.

Microbial Resistance Certification granted by the GREENGUARD Environmental Institute certifies the product to be resistant to surface molds, microbes, thus giving a guarantee of safety for environment and users.

ANSI Standard 051 – Food Equipment Materials granted by NSF proves the product to be safe for food contact.

13. Disposal considerations

***Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. The process, usage or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose in accordance with federal, state and local requirements.

14. Transport information

*US Department of- Transportation:	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
*Transportation:	ID Number	Not Regulated
	Packing Group	Not Regulated

15. Regulatory information

*Fire Hazard:	No
*Reactive Hazard:	No
*Release of- Pressure:	No

*Acute Health-Hazard:	No
*Chronic Health-Hazard:	Yes
*TSCA:	All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements.
*U.S. State-Regulations:	California Prop 65 List: Crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen.

16. Other information

National Fire Protection Association NFPA and Hazardous Materials Identification System (HMIS) Hazard Rating:

*Health Hazard:	1
*Flammability:	0
*Reactivity:	0

ABBREVIATIONS:

*N/A:	Not Applicable
*ND:	Not Determined
*ACGIH:	American Conference of Governmental Industrial Hygienists
*OSHA:	Occupational Safety and Health Administration
*TLV:	Threshold Limit Value
*IDLH	Immediately Dangerous to Life and Health
*PEL:	Permissible Exposure Limit
*TWA:	Time Weighted Average
*STEL:	Short Term Exposure Limit
*NTP:	National Toxicology Program
*IARC:	International Agency for Research on Cancer
*VOCs:	Volatile Organic Contents

The information in this Safety Data Sheet is based on data available at the date of preparation of the document, which, to the best of our knowledge, was accurate and reliable. However, no warranty, implied or expressed, is given in relation to the accuracy of these data or the results to be obtained from the use thereof.

The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from action as a result of this information.

This Safety Data Sheet is written according to the CLP Regulation, (EC) No 1272/2008. Regarding health & safety information about respirable fraction of crystalline silica (SiO₂), follow the instructions in VICOSTONE Health Safety Guideline Document or requirements of International Labor Organization (<http://www.ilo.org>), Occupational Safety and Health Administration (www.osha.org), US National Institute for Occupational Safety and Health (<http://www.cdc.gov/niosh/>), The Safe Work Australia (<http://www.safeworkaustralia.gov.au/>) and the European Network for silica (<http://www.nepsi.eu>)

Assistance requirements related to this document are welcome and shall be submitted by VICOSTONE.

Please contact VICOSTONE at + 84 4 23 477 286 or email: support@vicostone.com .

CARE AND MAINTENANCE

PentalQuartz is an extremely low maintenance surface that is not easily damaged. Following a few simple instructions will keep your countertop looking like new for many years to come.

- Use a clean cloth or sponge with mild soap and warm water for routine daily cleaning. Be sure to rinse thoroughly and dry, as soap residue can affect the appearance of your PentalQuartz. Spills should be wiped up immediately.
- For stubborn spots, use a soft cloth, sponge or a non-scratch scrub pad, and a mild, neutral PH, non-abrasive cleanser along with plenty of water to clean the surface. Mild household cleaners that can be used include Soft Scrub, Windex®, Green Works®, 409®, or Method Daily Cleaner.
- **Only use Soft Scrub with a flat hand – scrubbing too hard or using fingertips or thumbs can damage the surface finish.** Abrasive pads and powders can also damage the finish of the surface. To avoid dulling the surface, use non-abrasive cleaners, pads and sponges. DO NOT USE: bleach, oven cleaners and abrasive pads or powders (i.e. Ajax®, Comet®, etc.).
- For dried residue, a flat object such as a plastic putty knife can be used to gently scrape off the foreign material.
- To disinfect your quartz countertop, we recommend using store bought disinfecting wipes and rinsing with water. A few brands that can work are:
 - Clorox Anywhere (Hard Surfaces)
 - Clorox Wipes Bleach Free Lemon Fresh
 - Lysol Disinfecting Wipes (All Scents)
 - Lysol Sanitizing Wipes
 - Scrubbing Bubbles Antibacterial Bathroom Wipes
- Honed surfaces can show fingerprints and other signs of daily living more readily than polished surfaces, and will require more frequent maintenance. Since the honed or satin finish actually creates more surface area to the material, it has the potential to show more signs of living from daily use. Honed surfaces can be cleaned as described above.
- Although PentalQuartz is extremely scratch resistant, it is not scratch proof. You should never cut or chop directly on your countertop. Always use a cutting board.
- Always use a hot pad or trivet when setting down hot objects, such as hot pans or plates. Direct contact with extremely high heat can cause damage. Care should also be taken when using electric household appliances that may emit high heat such as crock pots, electric skillets, etc. as these can potentially damage the surface.
- Take care to avoid spilling harsh chemicals such as drain cleaners, paint strippers, oven cleaners, bleach, etc. on your PentalQuartz countertop. Any accidental spills should immediately be cleaned up and the surface rinsed thoroughly with clean water.
- PentalQuartz is offered in several finishes including polished, honed, satin, and brushed. Just as each finish has a different look, it also has slightly different characteristics.

Some colors are available in our HONED or SATIN finish which offers the soft appearance of a lower sheen compared to the POLISHED finish. The HONED and SATIN finishes require slightly more maintenance than our polished finished materials. Since the honed or satin finish actually creates more surface area to the material it has the potential to show more signs of living from daily use. Possible marks from metal cookware or utensils, fingerprints, food and beverages, and other items placed on, or moved across the countertop, may be visible on the surface and will require more frequent or intense cleaning and maintenance to keep them free from marks. Most marks can be easily removed with a cloth or sponge, or by using household cleaners such as a cleaning eraser or carefully scrubbing with a sponge and a non-abrasive cleaner such as Soft Scrub Advanced Cleaner®. Over time the Honed or Satin finish will develop character and a patina unique to each customer. Honed and satin finishes can be cleaned using the same products and methods as other finishes.

The warranty issued by Pental Surfaces for PentalQuartz covers manufacturing defects; however the temporary marks that commonly occur on honed and satin finishes are inherent to the material, and are not covered under the terms of the warranty.



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Phone (503) 692-6660, Fax (503) 691-1081

Countertop 1 Year Limited Warranty

Project: Historic Bank Block 3rd Floor Boardroom

Precision Countertops Inc. warrants our products to be free of defects in materials and workmanship for a period of 1 year from the date of substantial completion 12/01/2020. Upon notice of said defect and or return of defective part, we will, at our option, replace or repair the defective item.

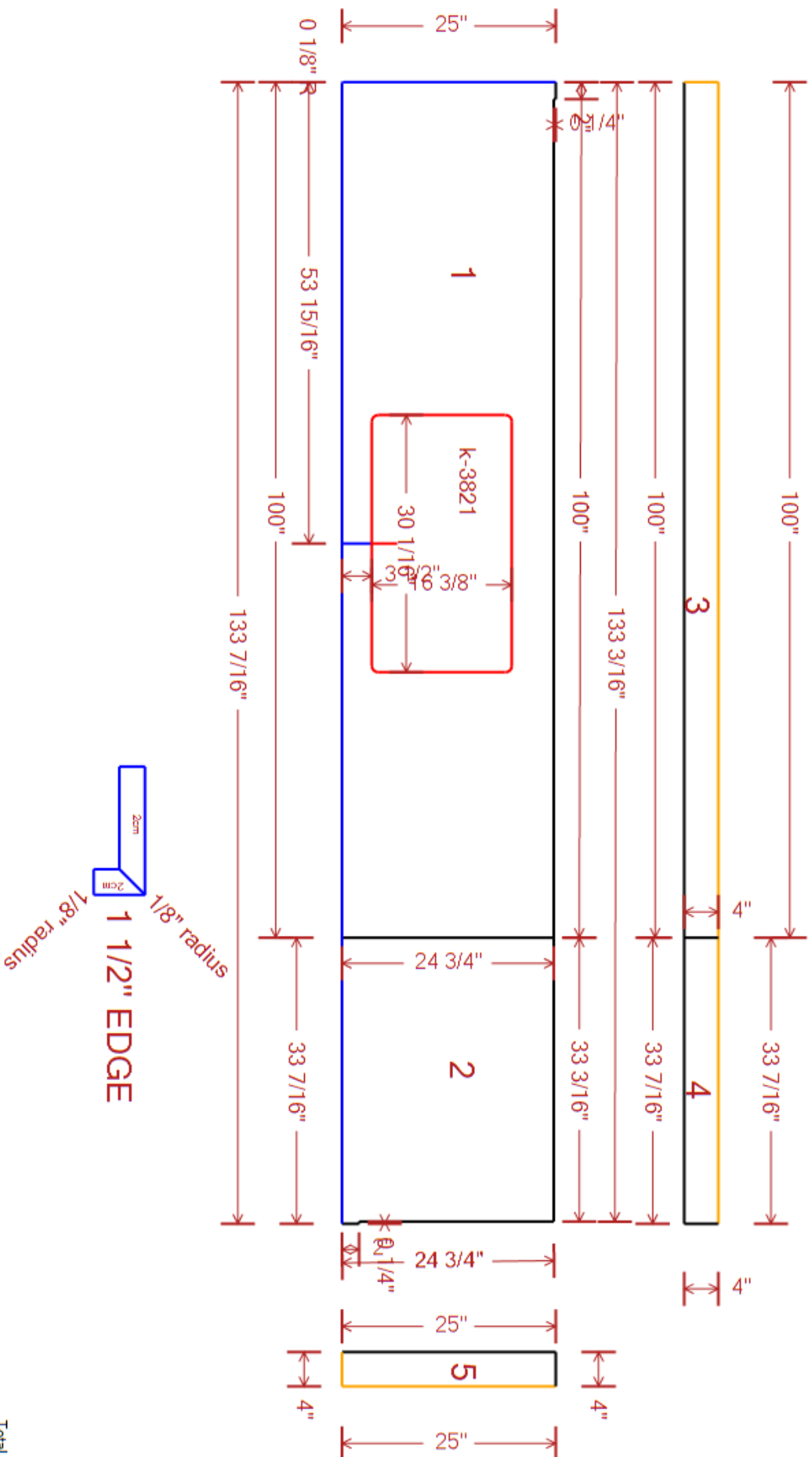
This warranty is limited to the replacement or repair of defective materials or craftsmanship only. Precision Countertops Inc. will not be responsible for labor involved with removing or replacing sinks, plumbing, cabinetry and/or appliances. Under no circumstances will Precision Countertops Inc. be held liable for inconvenience, lost time, or wages, and/or incidental or consequential damages due to the failure of or a defect in any of its products.

This warranty does not cover damages caused by improper use, storage, accident or neglect, scratches or surface blemishes discovered after the countertop has been installed, or any damages caused by water or heat. This warranty gives you specific legal rights; you may also have other rights, which may vary from state to state.

Robert Holzhauser

Estimator/Project Manager

AS BUILT DRAWINGS



T total Area - 27.30 sq ft
RAW - 29.47 lf
Back splash - 13.87 lf
PROFILE - 17.34 lf
R/C - 7.88 lf
DIMENSIONS - 0.00 lf

NOTES: morro nene 30 sqft	SINK INFORMATION:		COOKTOP INFO:		JOB SPECIFICATIONS:	
	BRAND: kohler	BRAND:	STONE COLOR: pental java noir		Templated By: _____ Date: 8/18/2020	
	MODEL #: k-3821-1	MODEL #:	THICKNESS: 2cm			
	DROP-IN: [] UNDERMNT: [x]		EDGE TYPE: 1 1/2"		Approved By: _____ Date: 8/18/2020	
	FAUCET INFORMATION:		JOB NAME: Historic Bank Block			
# OF HOLES:	CUT-OUT SIZE:	JOB #: sps24513		Dealer/Client Approved: _____ Sheet Nr: 1 Of 1		

NOTES:

2cm pentagonal java noir

1/8" radius top and bottom

1 1/2" edge

U/M sink k3821