

**LBLACKSTONE™**  
**QUARTZ SURFACES**



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[www.lctkorea.com](http://www.lctkorea.com) | [www.lblackstone.com](http://www.lblackstone.com)







## The truth of a stone

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Impression continues to over 100 years!  
Communicating with Nature, Life & Art and  
Creating human space by adding the history  
which has been accumulated in billions of years,  
this is the philosophy and future of Lion-Chemtech.

Lion Chemtech is the only manufacturer which professionally produces  
Quartz and Acrylic Solid Surface in Korea. Since established in 1973,  
with certified technology and beautiful design, Lion Chemtech is  
leading industry and endeavoring globalization. By ceaseless R&D  
activity for elegant Quartz and solid surface which enables to feel  
excellent durability and luxury, the value of Lion Chemtech's  
products will not change forever in spite of change of  
several generations.



## **BLACKSTONE™ QUARTZ SURFACES**

Quartz, waiting thousands of years from the heart of earth. Quartz is reborn in the name of **BLACKSTONE**, the ultimate beautiful being.

**BLACKSTONE**, as the highest grade Engineered Stone which contains natural marble pattern, presents the beauty in various living space.

### **Superior Durability**

**BLACKSTONE** consists of more than 93% natural quartz and is produced by high-temperature pressing process.

**BLACKSTONE** is durable and strong against impact.

### **Hygienic and Green Product**

Thanks to the uniform structure, **BLACKSTONE**, always maintain the same property throughout whole slab surface. **BLACKSTONE** is hygienic solution of Natural Stone which has a Hole on the surface. **BLACKSTONE** is non-porous so water can't penetrate into the surface.

No bacteria and fungus live on **BLACKSTONE**. It is easy to eliminate any dirt or stain.

### **VARIOUS PATTERN**

**BLACKSTONE** can create various patterns - even the patterns which Natural Stone can't express.

**BLACKSTONE** offers the widest spectrum of design options for interior applications.



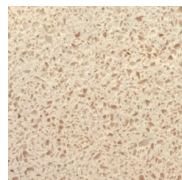


Uyuni LD219

**BLACKSTONE** MONO & DOUBLE Series



**LD202**  
Molo Kini



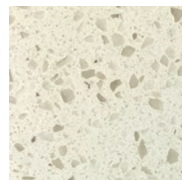
**LD220**  
Gobi



**LD205**  
Hanon



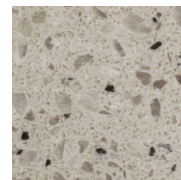
**LD219**  
Uyuni



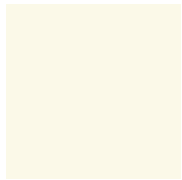
**LD215**  
Simpson



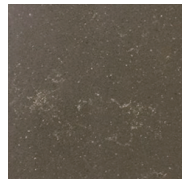
**LD204**  
Rocas Bain



**LD203**  
George Eden



**LD102**  
Pure White



**LV507**  
Gergeti



**LD104**  
Clay



**LD218**  
Mojave



**LP801**  
Pure Black



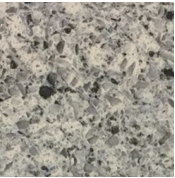
Uyuni LD219



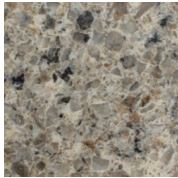


Garni LU427

**BLACKSTONE** MULTI Series



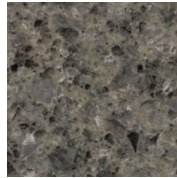
**LU406**  
Wachau



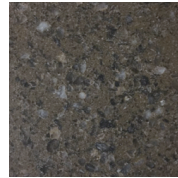
**LU422**  
Etna



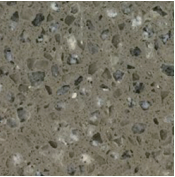
**LU408**  
Zion Canyon



**LU409**  
Trient



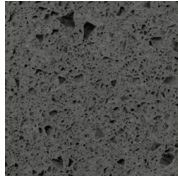
**LU407**  
Devrent



**LU410**  
Diamir



**LU427**  
Garni



**LU404**  
Corvin



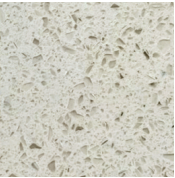
Garni LU427





Europa LS603

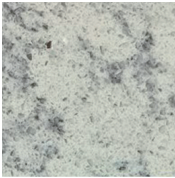
**BLACKSTONE** MIRROR Series



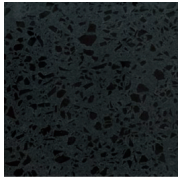
**LR306**  
Atlas



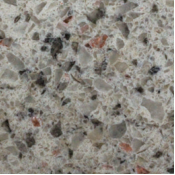
**LR302**  
Pamirs



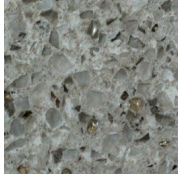
**LR307**  
Patagonia



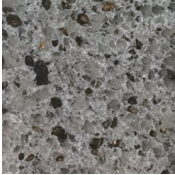
**LR301**  
Chukot



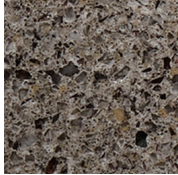
**LS601**  
Ceres



**LS602**  
Davida



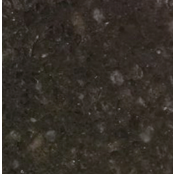
**LS701**  
Gaspra



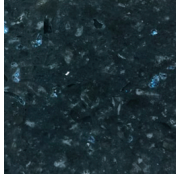
**LS603**  
Europa



**LS604**  
Sylvia



**LS607**  
Vesta



**LS605**  
Pallas



Europa LS603





Holgate LVD01

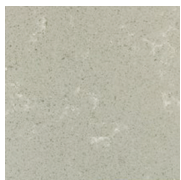
**BLACKSTONE** **VEIN Series**



**LV508**  
Jokulsarlon



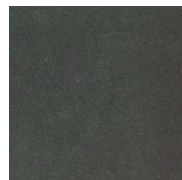
**LV503**  
Brenndal



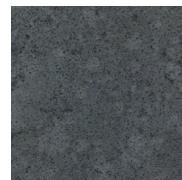
**LV518**  
Merak



**LV524**  
Fossil



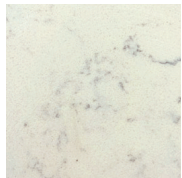
**LV523**  
Deep Concrete



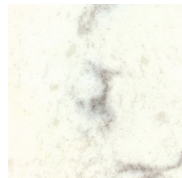
**LV501**  
Perito



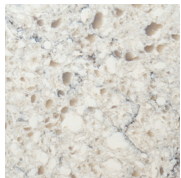
**LV506**  
Briksdal



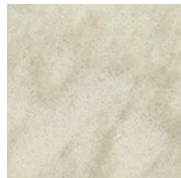
**LV505**  
Aleisch



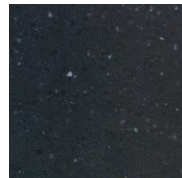
**LV509**  
Glacier



**LVD01**  
Holgate



**LV516**  
Dubhe



**LV517**  
Mizar



Holgate LVD01





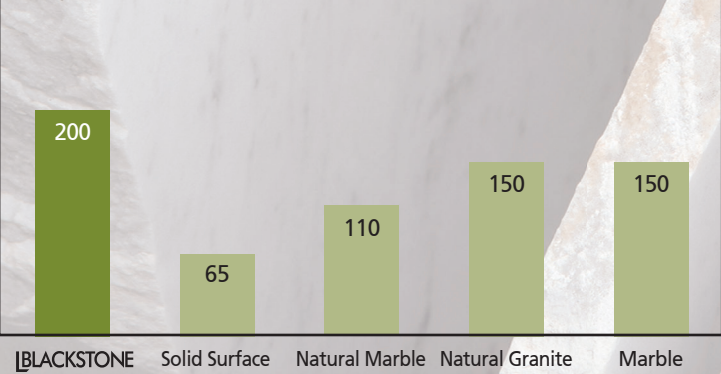


# The Truth of a Stone

## APPLICATIONS

Residential	Commercial
Kitchen & Island Table	Counter Top
Dressing Table	Inside wall
Vanity Top & Bathroom	Floors
Door Seal	Stairs
	Mopboard

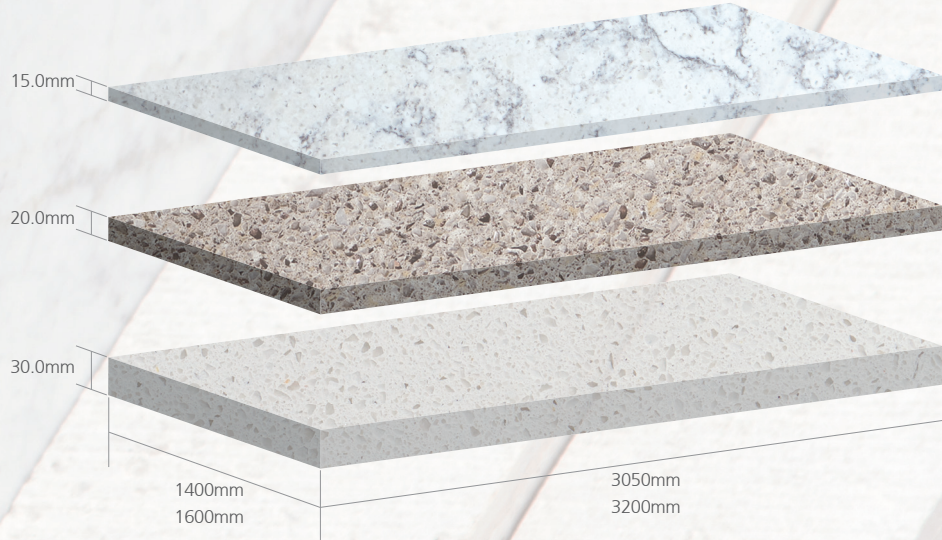
## Compressive Strength(MPa)



## SPECIFICATIONS

Item	Unit	Specification
Thickness	mm	*12.0, 15.0, 20.0, 30.0
Length	mm	3050, 3200
Width	mm	1400, 1600

\* In case of 12mm, you can discuss in advance.





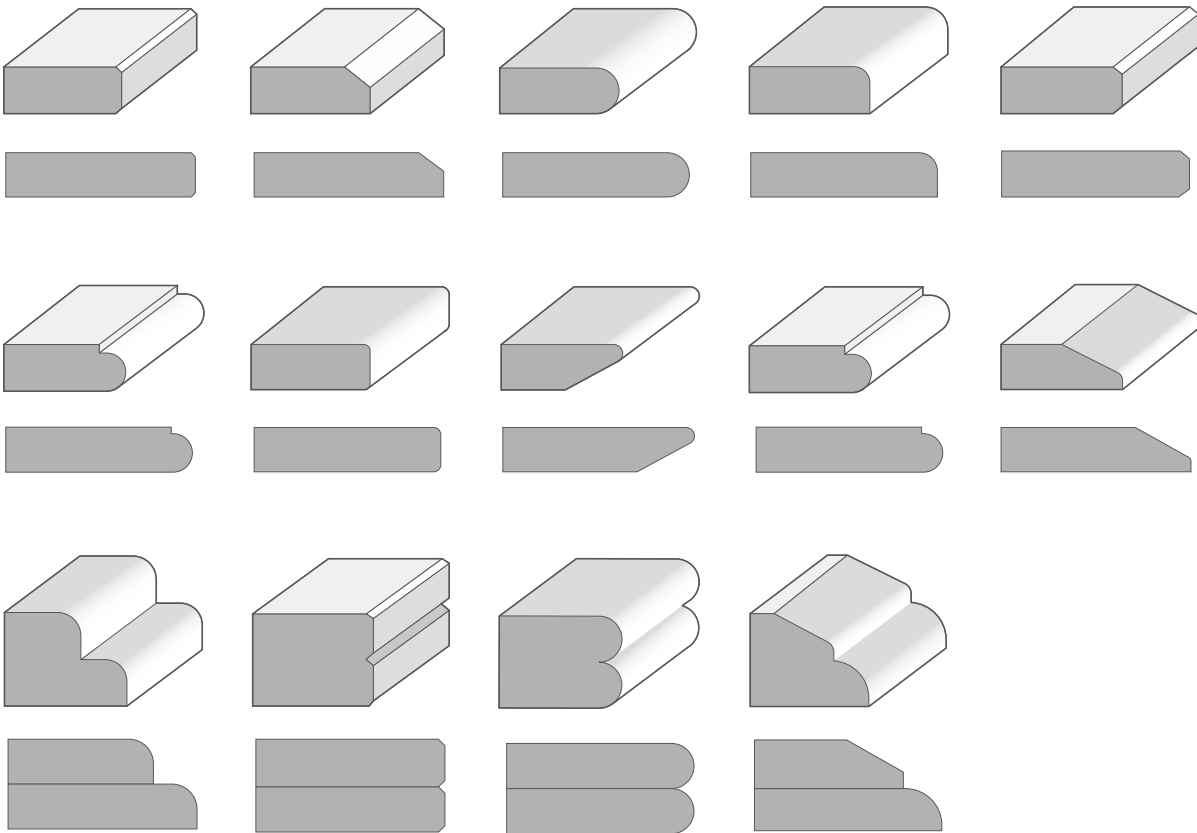
**BLACKSTONE** is innovative and ECO-FRIENDLY engineered stone which contains more than 93% natural quartz and other minerals. **BLACKSTONE** has excellent durability and strong enough against outer impact. **BLACKSTONE** is the most wonderful product for splendid interior design. **BLACKSTONE** is an ideal surface materials for Kitchen Top which anytime the food may contacts to. Lion Chemtech has already got NSF-51 certificate. Please enjoy the ultimate beauty of **BLACKSTONE** in everyday living space.

Advantage of **BLACKSTONE**

	BLACKSTONE	Solid Surface	Natural Marble	Granite	Marble
Stain Resistant	✓	✓			✓
Scratch Resistant	✓	✓	✓	✓	
Mold & Mildew Resistant	✓	✓			✓
Chip & Crack Resistant	✓	✓			
Heat & Burn Resistant	✓		✓	✓	✓
Resistant to Chemicals, Acids and Solvents	✓			✓	
Water Absorption	Low	Low	High	High	Low

Edge Finish

There are various type of Edge-Finish **BLACKSTONE** has. You can discuss and choose the best type of Edge-Finish with the distributor, designer or fabricator.



Performance Properties

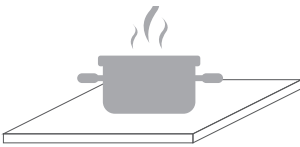
Test Items	Unit	Results	Test Method
Specific Gravity((23/23) C)	-	2.38	ASTM D792-13(Method A)
Water Absorption(24h Immersion)	%	0.01	ASTM D570-98(2010)e1
Compression Strength	Mpa	170	ASTM D695-15
Flexural Strength	Mpa	56.3	ASTM D790-15e2(*)
Flexural Modules of Elasticity	Gpa	30.4	ASTM D790-15e2(*)
Tensile Strength	Mpa	16.2	ASTM D638-14(**)
Izod Impact Strength	J/m	20	ASTM D256-10e1(Method A)
Rockwell M Scale Hardness(HRM)	-	115	ASTM D785-08(2015)(Procedure A)
Barcoll Hardness	-	87	ASTM D2583-13a
Deflection Temperature under load(1.82Mpa)	℃	127	ASTM D648-16(Method B)
Abrasion Resistance	mg	321	ASTM D4060-14(***)

\* Test speed : 3.0mm/min, Supporting Span : 190mm \* Specimen Quantity : Type1, Test speed : 5mm/min, Specimen Quantity : 4ea  
\* Wheel : H-22, Weight : 1,000g, Cycles :1,000

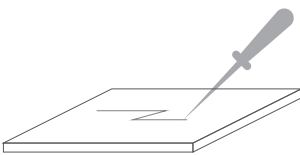
Care and Maintenance

Maintenance of **BLACKSTONE** is simple. Regularly clean with a soft sponge and neutral detergent in order to keep excellent gloss. Please do not use abrasive cleaner or chemical wax for cleaning of **BLACKSTONE**.

Caution



**Heat**  
**BLACKSTONE** has excellent heat resistance quality and can withstand normal cooking circumstance for a short time period. However, like all other surfacing materials, **BLACKSTONE** can be damaged for a direct heat and extreme temperature changes. Keep flames from the surfaces and using trivet is recommendable when placing hot pots, pans or other heat generating kitchenware on the surface.



**Scratches**  
**BLACKSTONE** has harder surface than other surface materials. However, direct use of knives on the countertop surface may case scratches. Please keep Knives, sharp materials from the surface. Using chopping board is recommendable.



**Chemical**  
Do not use strong chemicals and solvents such as cleaner for coatings, alkaline detergents, permanent markers or inks, etc. Handle the mentioned items with care and wash it off immediately with water if they are used on **BLACKSTONE**.