

# HanStone® Quartz





HanStone® Quartz



RU658 INDIAN PEARL

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# Introduction



## HanStone® Quartz Surfaces

Hanwha L&C is the leading manufacturer of natural quartz surfaces with the most advanced, nature-friendly manufacturing plant in Korea and North America.

Our HanStone Quartz product lines are ideally suited for reception areas, conference rooms, countertops, vanities, bar tops and other surfaces throughout commercial and residential environment.

With Breton technology, we combine natural quartz, one of nature's hardest materials, with high-quality polymer resin and pigment to produce durable yet luxurious stone surface.

All of these qualities have made HanStone Quartz a premier choice for architects and designers throughout the world.



*Superamento*  
WT720 MONDO



## Reference

HanStone® Quartz

### COMMERCIAL PROJECT

- ☑ Airport
- ☑ Shopping Mall
- ☑ Office
- ☑ Restaurant





# Airport

Commercial Project



**Location** Atlanta Hartsfield Jackson Intl. Airport, Atlanta, USA  
**Color** C041, C040



**Location** Incheon International Airport, Seoul, Korea  
**Color** Camomile, Mystic Blue, Neo Rainbow





# Shopping Mall

Commercial Project



**Location** Laguna Plaza, Kwun Tong, Hong Kong  
**Color** Royale Blanc, Obsidian Black



**Location** Gala place, Mong Kok, Hong Kong  
**Color** C041, C040



**Location** Garden Five, Seoul, Korea  
**Color** Specchio White







**Location** Samsung Electronics Shop, Seoul, Korea  
**Color** Neo Cabalt, Mystic Blue

# Office

Commercial Project



**Location** Hanwha HQ Office, Seoul, Korea  
**Color** Victorian Sands



**Location** Hanwha L&C Busan Branch, Busan, Korea  
**Color** Ajanta





Location Mirae Asset Center 1, Seoul, Korea  
Color Argil



Location Conference Room, Yangpyeong, Korea  
Color Alexandria



Location Mirae Asset Center 1, Seoul, Korea  
Color Aspen

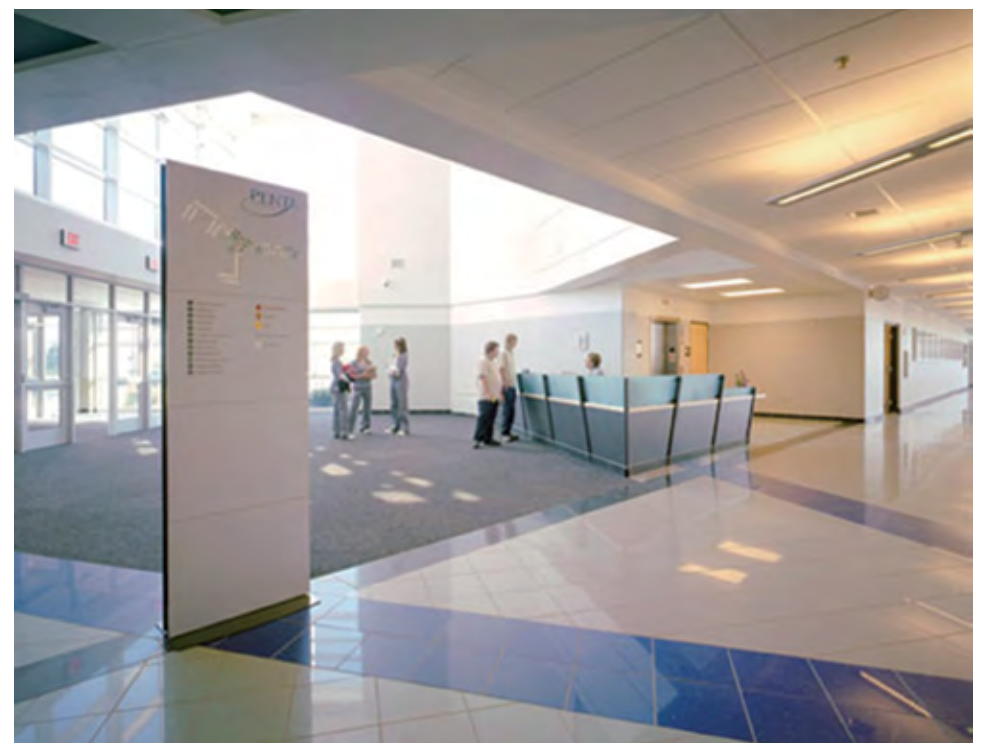




Location Conference Room, Indiana, USA  
Color Aspen



Location Conference Room, Busan, Korea  
Color Black Coral



Location Penta Career Center, Ohio, USA  
Color Mystic Blue



# Restaurant

Commercial Project



Location VIPS Restaurant, Seoul, Korea  
Color Hyde



Location Florida, USA  
Color Aurora Snow



Location Restaurant Yongsangu, Seoul, Korea  
Color Liscia, Piave







# Superamento

SU701 STRATO



## Reference

HanStone® Quartz

## RESIDENTIAL PROJECT

- ☒ Kitchen
- ☒ Artwall / Restroom



# Kitchen

Residential Project



**Location** Hanwha L&C Gangnam Show Room, Seoul, Korea  
**Color** Indian Pearl



**Location** Home & Q Show Room, Seoul, Korea  
**Color** Aramis



**Location** Samho Garden Gangnam Apt, Seoul, Korea  
**Color** Ajanta





**Location** Korean Celebrity Endorsement with HanStone, Seoul, Korea  
**Color** Cotton Grey



**Location** tvN - Let Me Home TV Show, Ep.12  
**Color** Alexandria



**Location** Seocho Hanyang Apt, Seoul, Korea  
**Color** Victorian Sands



**Location** tvN - Let Me Home TV Show, Ep.9  
**Color** Obsidian Black





Location tvN - Let Me Home TV Show, Ep.6  
Color Strato



Location tvN - Let Me Home TV Show, Ep.9  
Color Tranquility



Location tvN - Let Me Home TV Show, Ep.8  
Color Sophia





**Location** Seocho Hanyang Apt, Seoul, Korea  
**Color** Ajanta



**Location** Korean Celebrity Endorsement with HanStone, Seoul, Korea  
**Color** Matier



**Location** Korean Celebrity Endorsement with HanStone, Seoul, Korea  
**Color** Arete



**Location** Hanssem Gangnam Kitchen Shop, Seoul, Korea  
**Color** Tranquility





Location Sejong Tech Center, Sejong, Korea  
Color Mondo



Location Hanwha L&C Gangnam Show Room, Seoul, Korea  
Color Ueno



Location Hanwha L&C Gangnam Show Room, Seoul, Korea  
Color Ueno





**Location** Korean Celebrity Endorsement with HanStone, Seoul, Korea  
**Color** Cotton Grey



**Location** Misa Gangbyeon New City, Seoul, Korea  
**Color** Kindred



# Artwall / Restroom

Residential Project



**Location** Misa Gangbyeon New City, Seoul, Korea  
**Color** Indian Pearl



**Location** Sejong Tech Center, Sejong, Korea  
**Color** Kindred

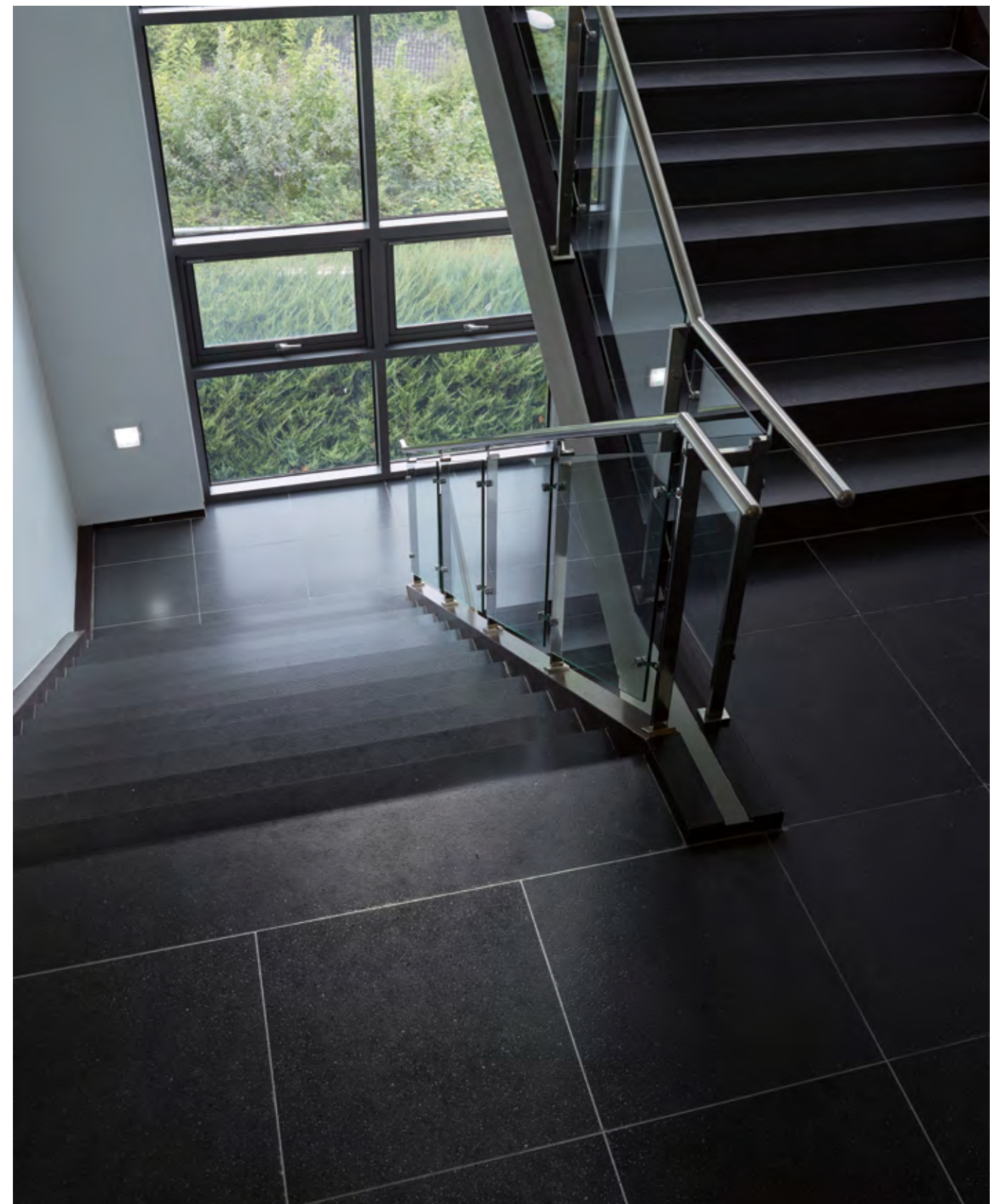


**Location** Gimpo Lotte Shopping Mall, Gimpo, Korea  
**Color** Teslin





**Location** Kyunghyang Housing Fair, Seoul, Korea  
**Color** Aspen, Aramis



**Location** Sejong Tech Center, Sejong, Korea  
**Color** Matier





| Location Hanwha L&C Gangnam Show Room, Seoul, Korea  
 | Color Specchio White



| Location Sejong Tech Center, Sejong, Korea  
 | Color Mondo



| Location Hanwha L&C Gangnam Show Room, Seoul, Korea  
 | Color Matier



*Superamento*  
RU656 BLACK SNOW



## Technical Data

HanStone® Quartz

- ✓ Specification
- ✓ Technical Specifications
- ✓ Certifications

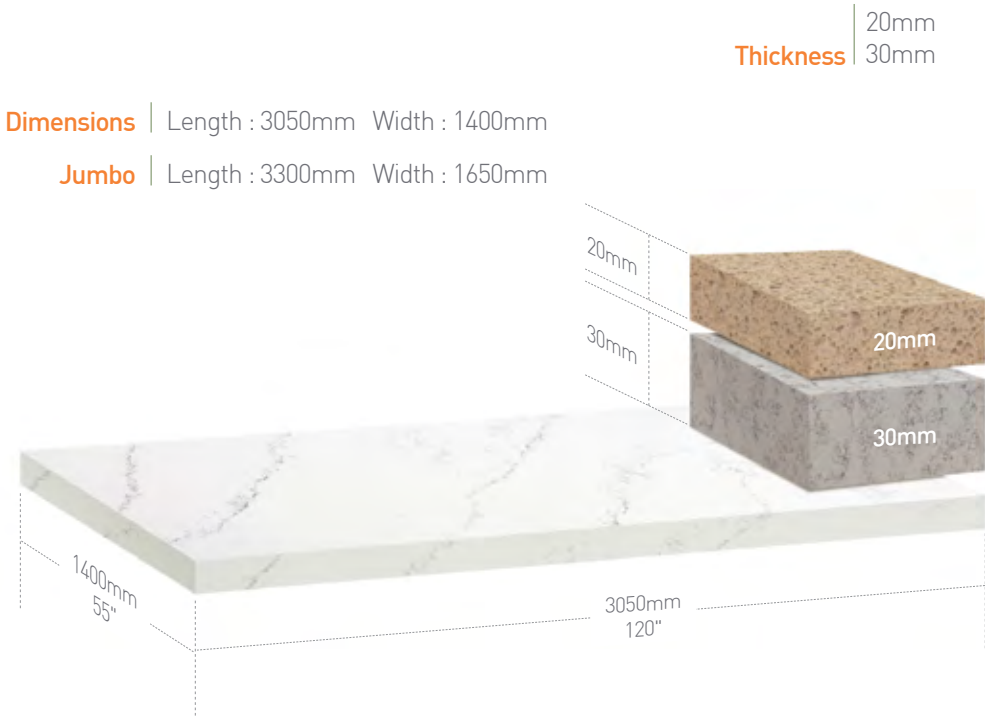




Technical Data

Specification

Thickness mm (Inch)	Width mm (Inch)	Length mm (Inch)	Weight kg (Lbs)
20mm (0.79")	1400mm (55")	3050mm (120")	205kg (452lbs)
30mm (1.18")	1400mm (55")	3050mm (120")	307kg (677lbs)



Technical Specifications

Property	Standard	Result
01 Abrasion Resistance (Weight Loss)	ASTM D 4060	1094 mg
02 Izod Impact Strength	ASTM D 256 (Method A)	13.3 J/m
03 Boiling Water Resistance	NEMA LD3 200 3.5	No Effect
04 Colorfastness	ANZI Z124.6.5.1	Pass
05 Compression Strength (Dry) Compression Strength (Wet)	ASTM C 170 ASTM C 170	209 mg 203 mg
06 Density	KSF 2530	2.465 g/cm <sup>3</sup>
07 Deflection Temperature Under Load (1.8 MPa)	ASTM D 648	243 °C
08 Flammability - Flame Spread - Smoke Developed	ASTM E-84, NFPA 255	Class A Class A
09 Flexural Modules Flexural Strength	ASTM D 790 ASTM D 790	39.7 GPa 42.4 MPa
10 Freeze & Thaw Cycling	ASTM C 1026	Unaffected
11 Fungal & Bacterial Resistance	ASTM G 21	No Growth
12 Barcol Hardness	ASTM D 2583	86
13 Rockwell Hardness (HRM)	ASTM D 785 (Procedure A)	115
14 Point Impact	ANSI Z124.6.4.2.1	Pass
15 Slip Resistance - Static Coefficient of Friction (Dry) - Static Coefficient of Friction (Wet)	ASTM C 1028 ASTM C 1028	0.67 0.49
16 Stain Resistance	ANSI Z124.6.5.2	Pass
17 Tensile Strength	ASTM D 638	17.8 MPa
18 Thermal Expansion	ASTM D 696	1.52 X 10 <sup>-5</sup> in/in/°C
19 Water Absorption -Long-term & Short-term	ASTM D 570 (24hr. Immersion)	← 0.011%
20 Wear and Cleanability	ANSI Z124.6.5.3	Pass

\* This technical information is designed to provide support in fabrication, installation, and/or to insure performance of HanStone Quartz. The information is based on the technical data which Hanwha Surfaces believes to be reliable and is intended for person or persons having knowledge of this technical area. None of the contents, including but not limited to the instructions, recommendations, graphics, techniques, and guidelines should be understood as implying of legal, warranty, or any type of liability by Hanwha Surfaces and its affiliates.

Certificates



ISO



CE



SCS GLOBAL



NSF INTERNATIONAL



GREENGUARD



GREENGUARD



*Movimento*  
MO625 ARGIL

## Applications / Advantages

HanStone® Quartz

- ✓ Applications
- ✓ Advantages
- ✓ Care/Maintenance



# Applications / Advantages

## Applications



Residential Uses

**Kitchen**


- Countertops  
- Islands

**Bath**

- Vanity tops  
- Shower Stalls and Shower Surrounds

**Other**

- Table Tops  
- Fireplace Surrounds  
- Window Sills  
- Wall Coverings  
- Dry Bar



Commercial Uses

**Healthcare Facilities, Restaurants**

- Conference Tables  
- Reception and Desktops  
- Lobby/Interior Walls  
- Food Preparation Areas  
- Laboratories  
- Flooring and Inlays

## Advantages

HANSTONE QUARTZ SURFACES HANDLE LIFE BEAUTIFULLY



**NONPOROUS**  
Many interior surfaces harbor unwanted microorganisms. With routine cleaning, HanStone's nonporous surfaces inherently will not harbor or promote bacteria, mold, or mildew growth.



**SCRATCH RESISTANT**  
Composed mostly of natural quartz that registers 7 on Mohs hardness scale [diamonds are 10], HanStone Quartz surfaces are exceptionally scratch resistant. However, no surface is 100% scratch-proof, so cutting or dragging heavy, sharp objects directly on the surface should be avoided.



**STAIN RESISTANT**  
Unlike granite and marble countertops, HanStone Quartz surfaces are nonporous, impermeable to liquids, and highly resistant to stains from common culprits like wine, coffee, ketchup, vinegar, and makeup.



**HEAT RESISTANT**  
Made of one of nature's most heat resistant materials, HanStone Quartz surfaces are highly resistant to high temperatures. To avoid thermal shock, do not place searing hot objects directly on the surface.



**ETCH RESISTANT**  
A sliced lime can be devastating to many natural stone surfaces. Not so for HanStone Quartz, which is designed to handle foods and common household cleaners known to etch surfaces.



**EASY TO MAINTAIN**  
HanStone Quartz surfaces require no sealant, waxes, coatings, or routine polishing. Clean with a damp cloth, mild liquid detergents, or non-abrasive non-bleach cleansers. Wipe dry to avoid water streaking or surface haze.



**DURABLE**  
Designed to handle life's normal wear and tear, HanStone Quartz is composed of natural hard quartz crystals to produce one of the most durable surfacing materials on today's market.



**ECO-FRIENDLY**  
HanStone Quartz offers categories for LEED points and is GREENGUARD Indoor Air Quality and GREENGUARD Children & School certied. Our North American plant recycles 100% manufacturer wastewater, repurposes solid waste, conserves energy, and uses advanced air purification systems.

What are the advantages of HanStone Quartz vs. other surfaces available?

	HanStone Quartz	Solid Surface	Granite	Tile	Laminate
Stain Resistant	✓	✓			
Scratch Resistant	✓	✓	✓	✓	
Mold & Mildew Resistant	✓	✓			
Chip & Crack Resistant	✓	✓			
Heat & Burn Resistant	✓		✓	✓	
Resistant to Chemicals, Acids and Solvents	✓		✓		

## Care/Maintenance

HanStone Quartz is easy to maintain. It is a non-porous material that is highly resistant to stain, scratches and heat. However, it is not stain, scratch, or heat proof. Following the proper care and maintenance recommended by your professional HanStone Quartz distributor or installer, to keep the HanStone Quartz surface beautiful for many years.

### Routine Care & Maintenance

Simply clean with soap and water on a regular basis to keep the lustrous gloss and radiant sheen. Use warm water and a damp cloth with a small amount of non-abrasive cleaner that does not contain bleach. Although HanStone Quartz is resistant to stain, spills should be cleaned as soon as possible. Liquid spills and stains from fruits, vegetables, or other foods should be wiped up and cleaned with soap and water.

### Preventing Damages

#### Heat

HanStone Quartz is designed to be resistant to heat and can withstand exposure to normal cooking environment for brief periods of time without being damaged. Although HanStone Quartz withstands heat better than most surfacing materials on the market, all surfacing materials, including stone, can be damaged by extreme temperature changes, whether prolonged or sudden. Trivets should be used when placing hot skillets, pans, pots or other heat generating kitchenware on the surface.

#### Scratches

HanStone Quartz's durable surface is designed to withstand normal use. While it is highly resistant to scratches, cuts, and chipping, cutting directly on the quartz surface should be avoided.

#### Chemical

Avoid exposing HanStone Quartz to any strong chemicals and solvents. It is important to note that some of these chemicals and solvents can be found in household items like paint removers, paint and stain strippers that contain trichlorethane or methylene chloride, nail polish removers, bleach, furniture cleaners, oil soaps, permanent markers or inks, and chemicals with high alkaline/PH levels (oven cleaners, drain openers, etc.). Avoid using cleaning products that contain oils, powders or abrasives.

Although long-term or frequent exposure must be avoided at all times, the following products may be used with short-term exposure (removing and rinsing immediately after application with water) to clean difficult stains or residues. Always handle such cleaning agents with care and rinse the applied surface with water completely afterwards.



### Recommended cleaners:

- Simple Green
- 10x Stone Polish
- Magic Eraser by Mr. Clean
- Soap and Water
- Rock Doctor cleaner

\*\* All products must have all excess removed immediately after application with water and cloth. Prolonged exposure may ruin the surface of the slab.\*\*

### Chemicals to Avoid

The below list of chemicals should be avoided with HanStone Quartz; however, the below list is not a complete list, and there may be other chemicals not listed here that may damage HanStone Quartz. The effect of any chemical usage on HanStone Quartz is ultimately dependent on the type of chemical, the length of exposure, and the degree of concentration.

- Oil soaps, bluing agents, dyes, stains, paint thinner or strippers.
- Solvents such as acetone, nail polish, lacquer thinner, or bleach (short-term exposure is acceptable for purpose of cleaning difficult stains-based on removing and rinsing applied area within 5 minutes).
- Chlorinated solvents such as trichloroethylene or methylene chloride
- Benzene, toluene, methyl ethyl ketone
- Concentrated acids such as hydrocyanic acid, hydrofluoric acid, hydrochloric acid, sulfuric acid, nitric acid.
- Chemicals with high alkaline/PH levels (pH → 10)

\*\* If any of the substance listed come into contact with HanStone Quartz, rinse with plenty of water and follow routine cleaning procedures immediately.

### Removing Difficult Spills

On stubborn or dried spills where routine cleaning procedures do not work, use a non-abrasive cleaning pad along with the following recommended cleaners:

If gum, nail polish, paint, or other substances are accidentally allowed to adhere to the surface, they can be removed with the use of a plastic scraper or putty knife to gently scrape off the substance and by following routine cleaning procedures.

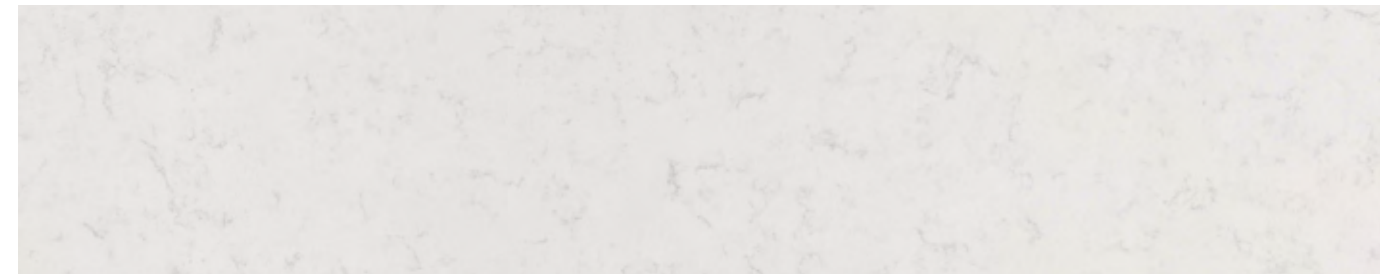
## Color Index

### SUPERAMENTO

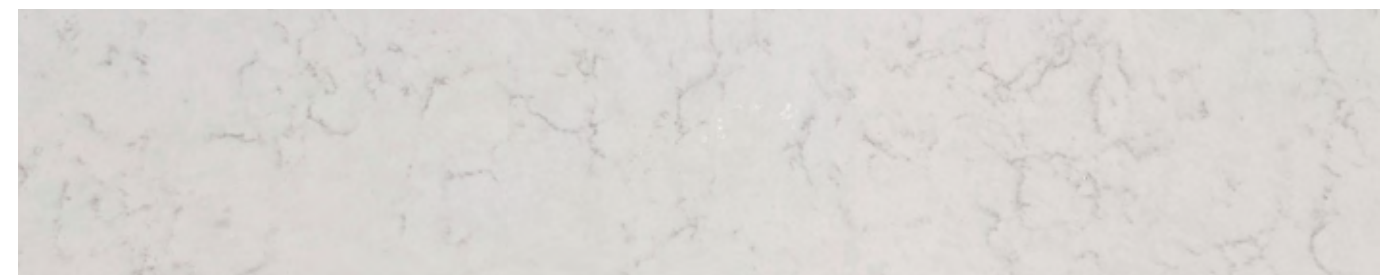
The beauty of marble, the strength of quartz. Our Superamento Collection warmly recalls the natural world with soft veining and rich undertones that are irresistibly classic. Glossy, wispy and sophisticated, the unique patterns and colors in this marble-inspired line are ideal for any workspace or kitchen.



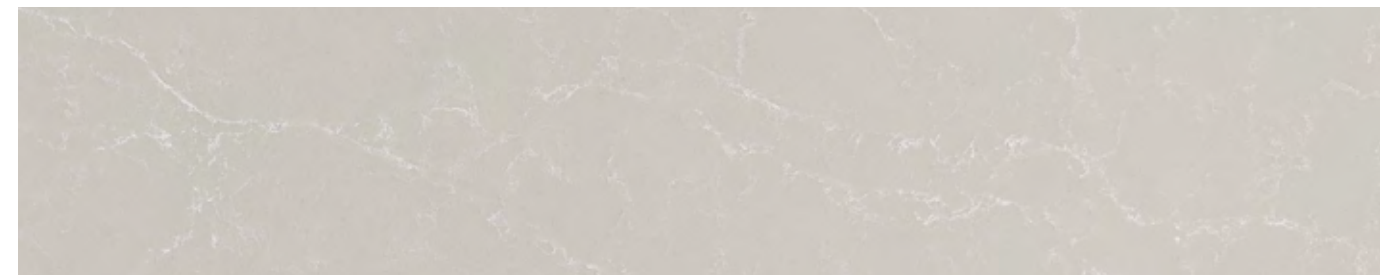
RU613 TRANQUILITY



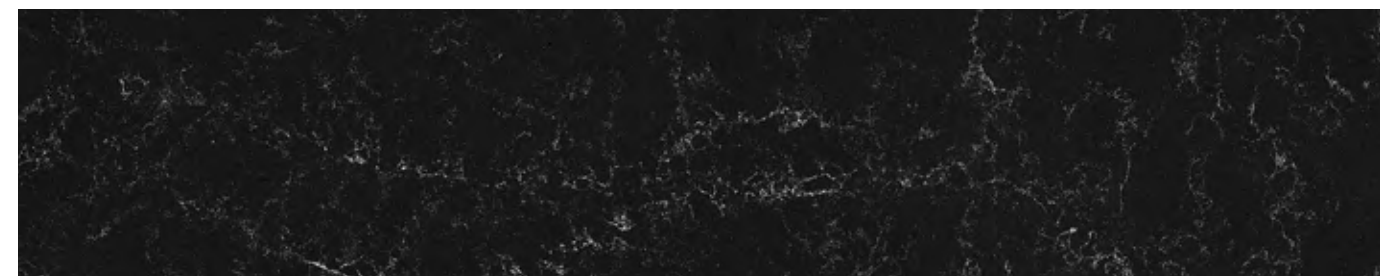
RU657 WINTER WALKING



WT720 MONDO



SU753 SUMMER HAZE



SU750 METEOR



Color Index



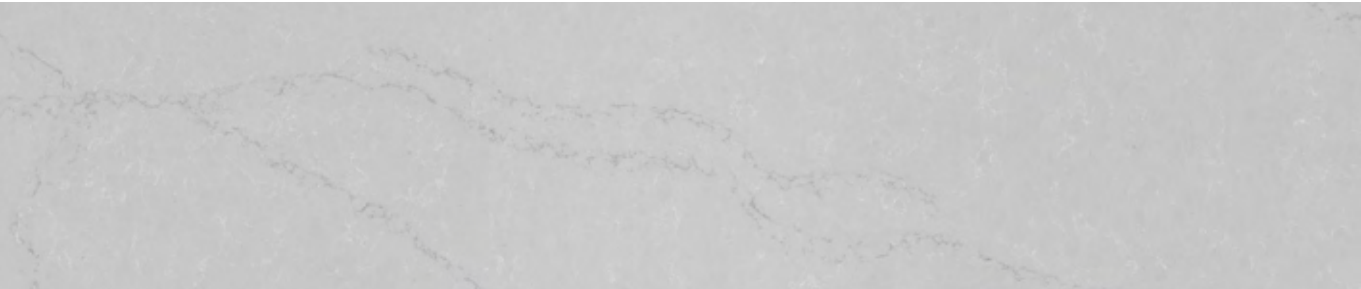
CA701 STRATO



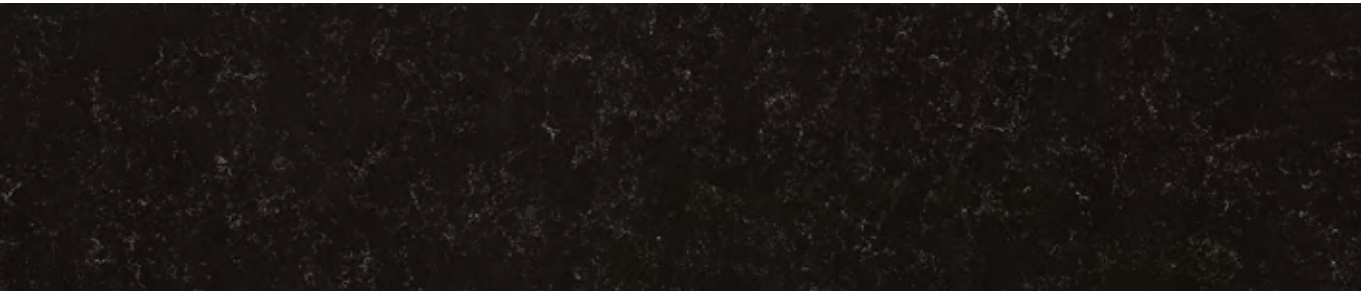
SU751 CAMPINA



SU752 SPLATTER CANVAS

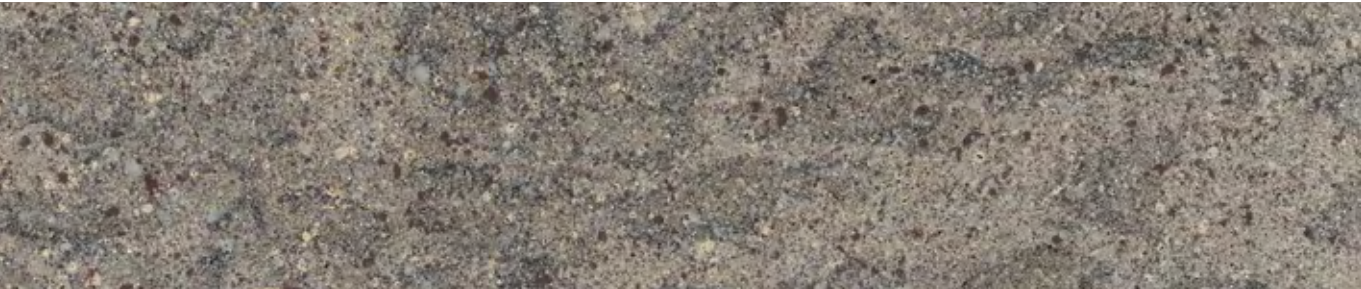


SU754 COTTON GREY



RU656 BLACK SNOW

MOVIMENTO



M0624 CONCORD



M0625 ARGIL

RUCELLO



RU601 ASPEN



RU602 TESLIN



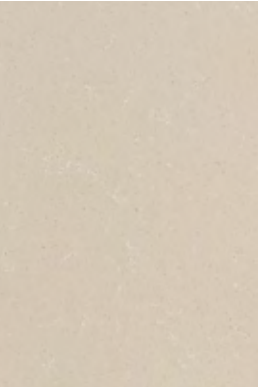
RU603 LISCIA



RU612 MILADI



RU654 ICECAP



RU655 DESTIN



RU658 INDIAN PEARL



Color Index

STANDARD



BA205 ROYALE BLANC



BA201 BIANCO CANVAS



CL101 AURORA SNOW



RS301 SWAN COTTON



CT402 SPECCHIO WHITE



CL102 CHAMPAGNE PEARL



RS314 VENETIAN AVORIO



RS308 VICTORIAN SANDS



CL106 SANDCASTLE



RU608 SOPHIA



RM504 AJANTA



LS451 STERLING GREY



CL108 PARK AVENUE



RU606 ALEXANDRIA



RU653 JAMOCHA



CL105 TIFFANY GREY



RU607 ARAMIS



RM506 ARTEMIS



RU611 TAUNUS



BT354 MATIER



CT401 OBSIDIAN BLACK



CL109 EBONY FIELD

\*Colors may vary from actual production

HanStone® Distribution Network



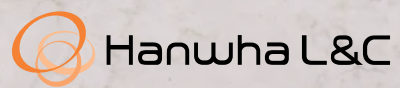
Please Contact our Official Hanstone Distributors below.

Region	Country	Company	URL
Noth America	USA	Hanwha L&C USA LLC	<a href="http://www.hanwhasurfaces.com/">http://www.hanwhasurfaces.com/</a>
	GERMANY	Hanwha L&C Corporation	<a href="http://www.khanstone.com/">http://www.khanstone.com/</a>
Europe	ITALY		
	RUSSIA		
Oceania	AUSTRALIA	HANSTONE OCEANIA	<a href="http://www.hanstone.com.au">http://www.hanstone.com.au</a>
	NEWZEALAND	AGM	<a href="http://www.agmstone.co.nz/">http://www.agmstone.co.nz/</a>
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