



LOTTE Chemical California INC.

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[www.staron.com](http://www.staron.com)

SOLID  
SURFACES  
**STARON**



**High-quality materials, refined sensibilities.**

# LOTTE CHEMICAL

Originally established in 1954 as Cheil Industries, the Samsung Group launched its chemical-business units in 1988 as part of an overall business expansion strategy.

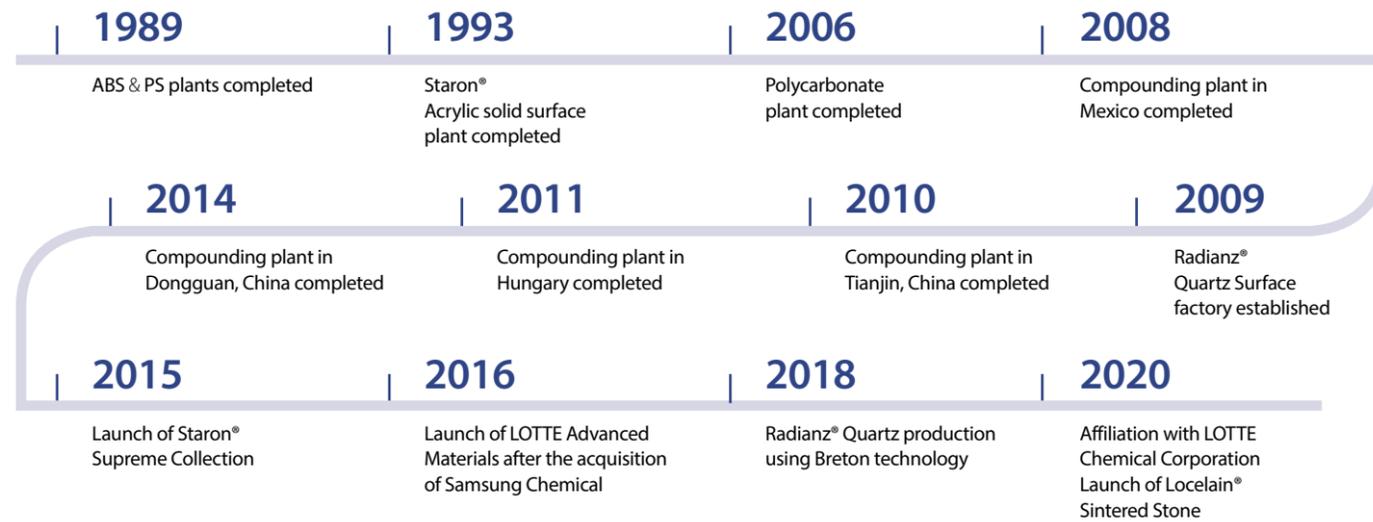
In 1992, the company commenced the manufacture of acrylic solid surface products marketed under the “Staron” brand, followed by the introduction of the Tempest Collection launched in 2006. The Samsung Group further expanded its decorative surfaces portfolio by introducing Radianz® Quartz Surfaces in 2009.

With its drive to become a global supplier of top-tier decorative surfacing materials, LOTTE Chemical Corporation launched LOTTE Advanced Materials in May of 2016 through its acquisition of Samsung Chemical.

In 2020, LOTTE Advanced Materials has reached a new milestone with its affiliation with LOTTE Chemical Corporation. LOTTE Chemical pursues sustainable growth with outstanding performance in today's surface industry through cutting-edge technology and insight into global market trends.

# 2020 LOTTE CHEMICAL

LOTTE CHEMICAL built up ABS and PS plants in 1989, signaling its first major step into the market. Since then, the company has been expanding its business rapidly in a variety of categories including PC.



**staron®**  
ACRYLIC SOLID SURFACE

*Radianz®*  
NATURAL QUARTZ SURFACE

*Locelain™*  
SINTERED STONE

**TOTAL SOLUTION PROVIDER OF  
DECORATIVE SURFACES**

**starex®**

ABS | ABS ALLOY | ASA | EPS | SAN

**INFINO®**

PC | PC ALLOY | PBT | MPPE | PA | PPA | PPS | PCT | TPE



# STRETCH YOUR IMAGINATION TO EXPERIENCE THE POSSIBILITIES WITH STARON.

## WHY STARON ?

Staron® solid surface materials boast dimensional flexibility and low maintenance and is ideal for a multitude of interior applications. Comprised of a wide range of color and pattern options, Staron® is non-porous, ultra-hygienic and ultimately durable. The Tempest and Supreme collections offer high-transparent gemstone textures and elegant, refined vein patterns like natural marble.



### RELIABLE PERFORMANCE

- Cutting-edge technology sets a new standard in surface
- Able to be inconspicuously repaired due to its homogenous composition



### HYGIENIC SURFACE

- Non-porous surface inhibits growth of mold and bacteria
- Resistant to heat and abrasion
- Able to refurbish to a new condition



### DIMENSIONAL FLEXIBILITY

- Thermo-formable into three-dimensional shapes
- Excellent workability enables virtually unlimited design possibilities



### INFINITE RANGE OF COLORS

- Over 150 color options ranging from natural to vivid
- Ongoing collaboration with color trend experts keeps Staron commercially relevant



### IMPERCEPTIBLE SEAMS

- Consistent color and texture on every sheet provides a smooth and seamless surface
- Installed without gaps, crevices, or obvious joint-lines



### TRANSLUCENCY

- Creative back-lighting effects created by altering the thickness of the material to allow transmission from a low-energy light source



### GLOBAL NETWORK

- Regional branch offices and product distribution networks worldwide

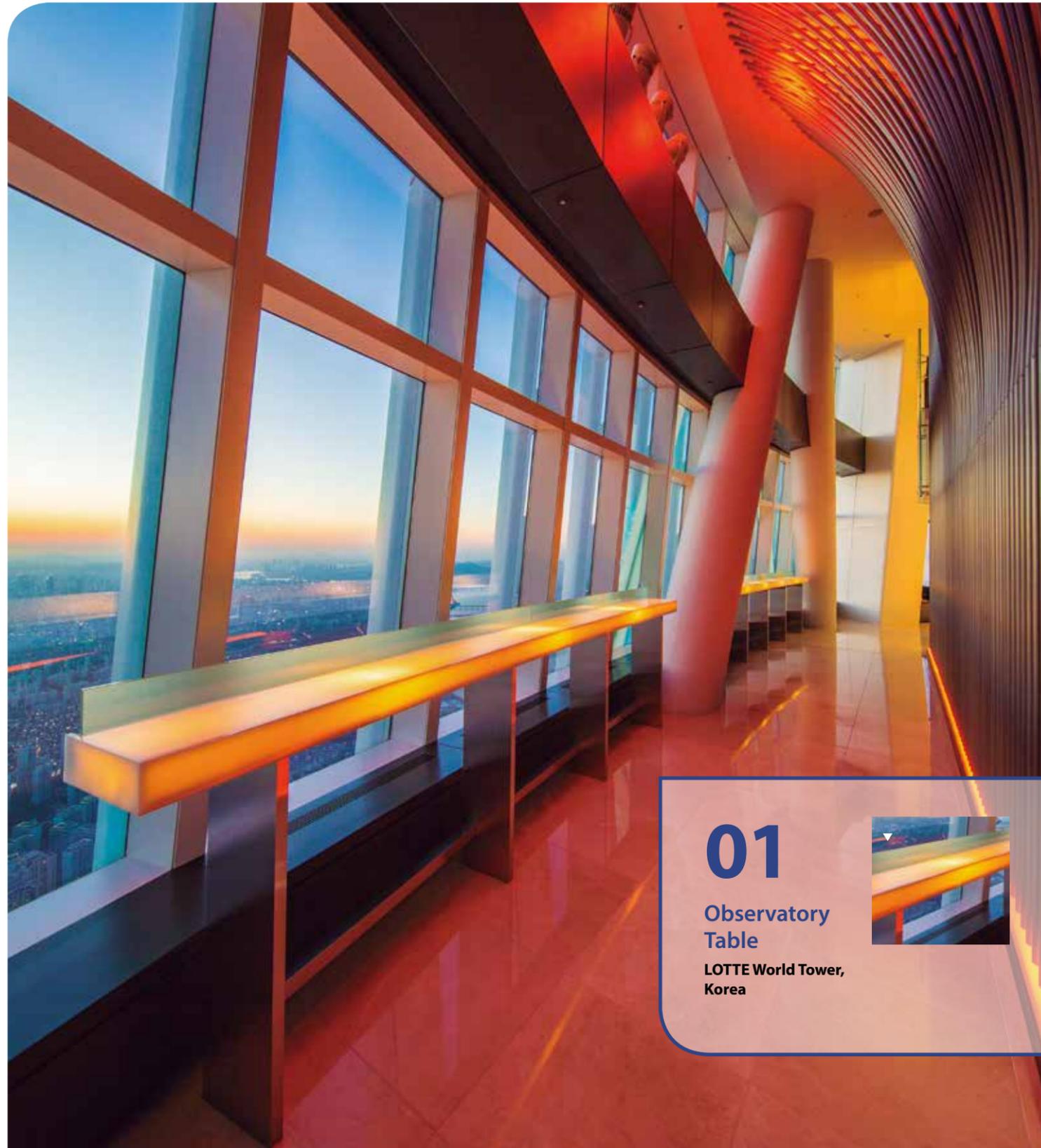


### RELIABLE QUALITY

- Advanced quality control policy and a commercial 10-year warranty
- Certified eco-friendly by Greenguard and Scientific Certification System

# COMMERCIAL & PUBLIC SPACES

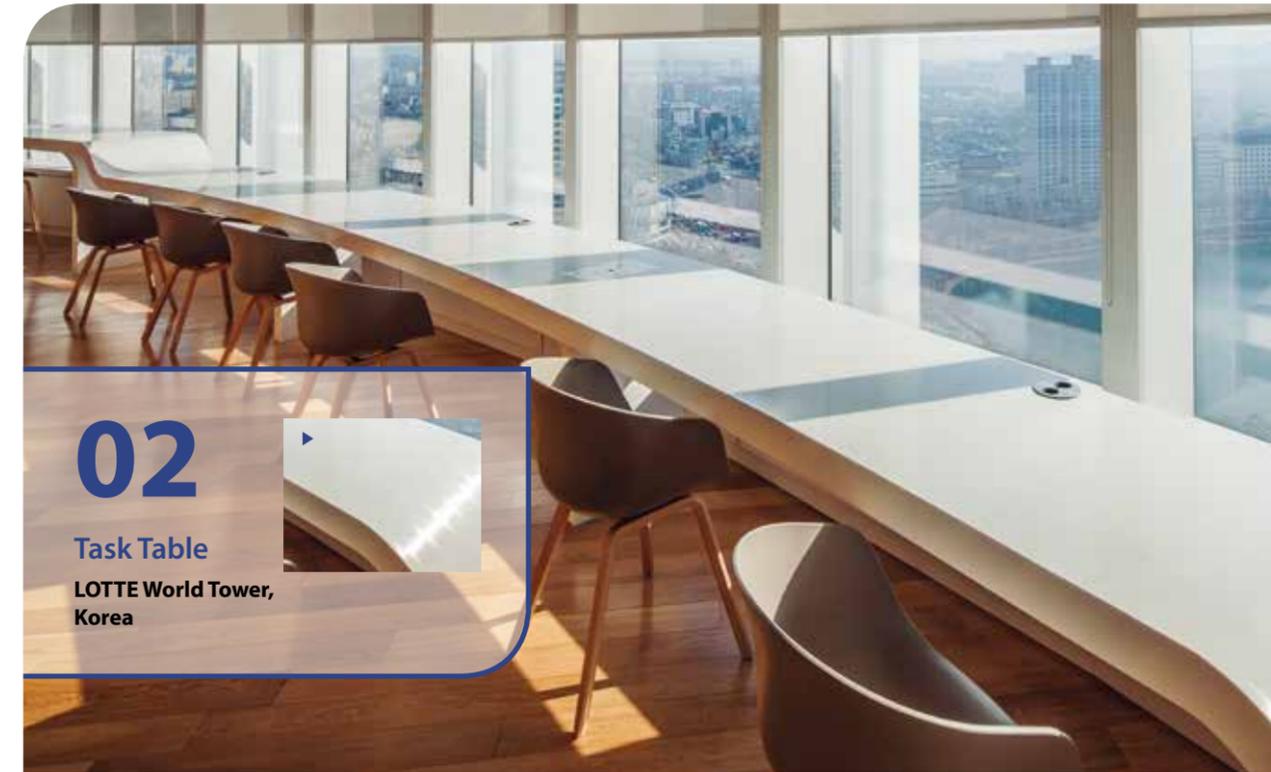
Staron® solid surfaces provide a seamless and ultra-hygienic element to any residential and commercial area. Pure and neutral solid-colors, such as Staron® Bright White, add a modern and contemporary finish to an interior space.



01

Observatory  
Table

LOTTE World Tower,  
Korea



02

Task Table

LOTTE World Tower,  
Korea



03

Bench

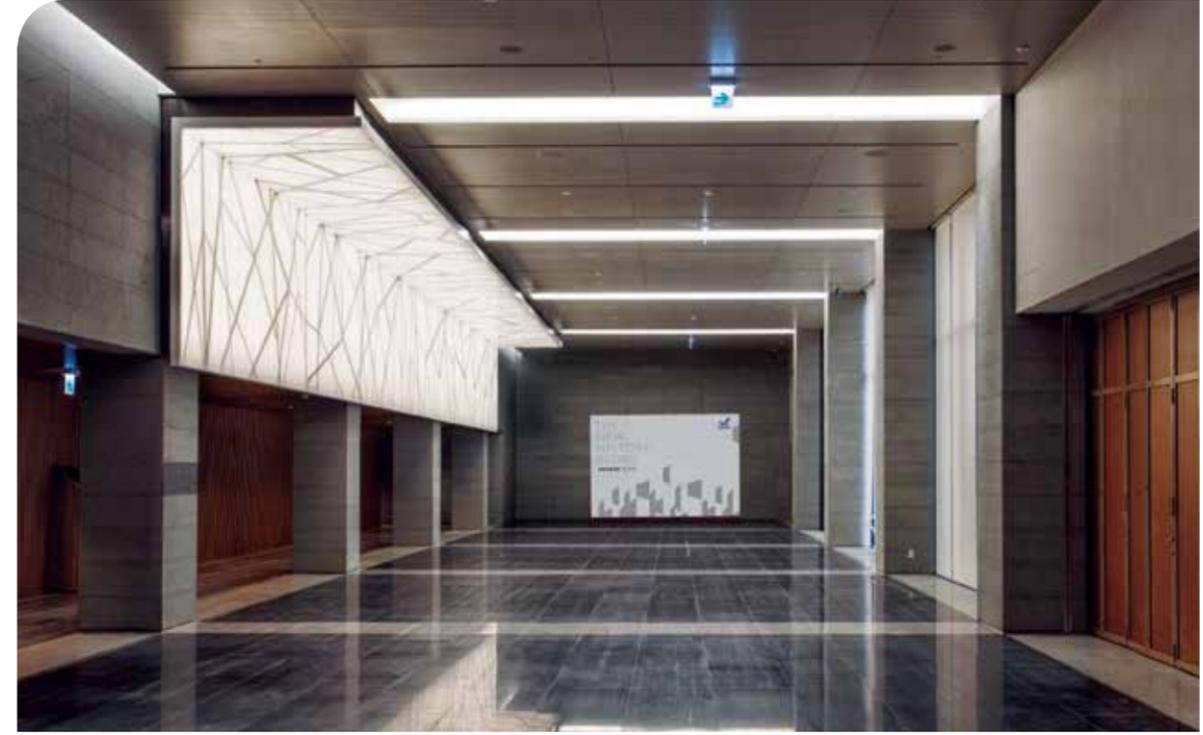
LOTTE World Tower,  
Korea





**04**

**Display  
Fixtures**  
Stewart  
Weitzman  
Shoes Shop,  
Greece



**06**

**Media  
Facade**  
Kumho  
Art Hall,  
Korea



**05**

**Wall  
Cladding**  
Mumbai  
Airport Lounge,  
India



**07**

**Display  
Structure  
Wall**  
LOTTE  
World Tower,  
Korea





**08**

**Reception Desk**

**New Vienna University, Austria**

Designed by Zaha Hadid Architect



**10**

**Display Standard**

**Heidi.com Shop, Switzerland**

Designed by Zaha Hadid Architect



**11**

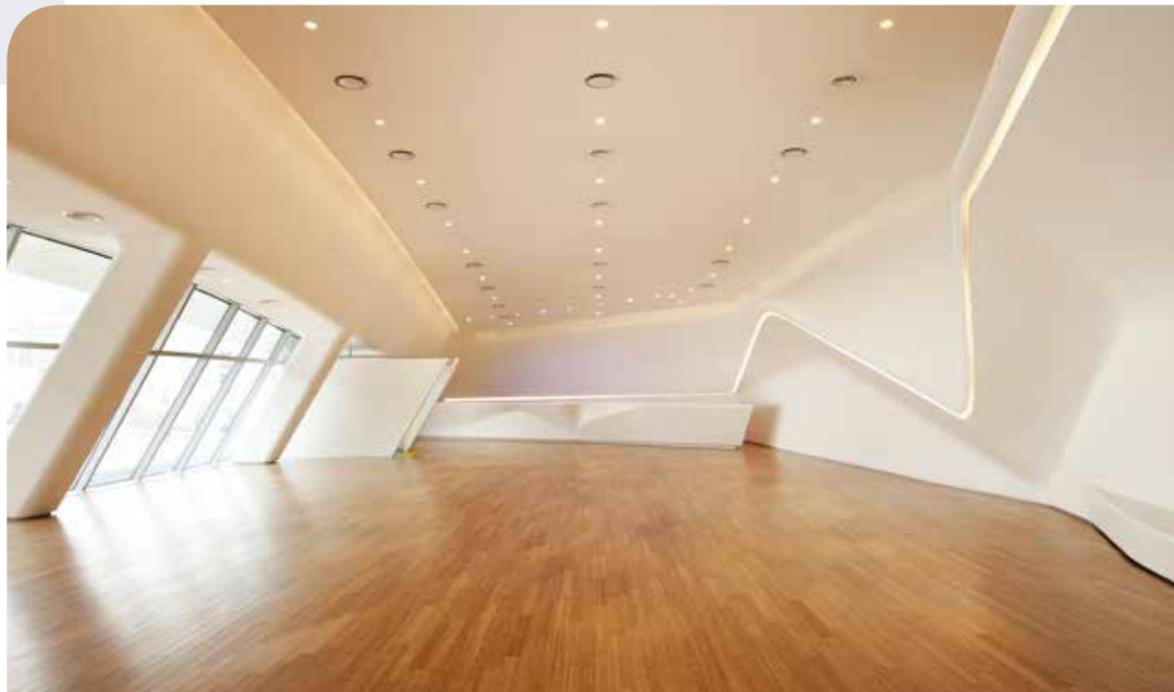
**Exhibition Fixtures**

**Samsung HR Development Center, Korea**



**09**

**Wall Covering**  
**DDP Sky lounge, Korea**



# RESIDENTIAL SPACES

Staron® by LOTTE CHEMICAL is becoming a preferred choice among those who prioritize hygienic surface and reliable performance. Achieve the best of both style and quality with Staron® that offers non-porous surface and cutting-edge technology for your space.



01

Kitchen  
Countertop

Interior Furniture,  
Australia

Designed by Darren James





## 02

### Kitchen Countertop

Kitchen in the  
house A and S,  
Germany

Designed by  
Recker Architect  
(Holzwerkstatt WINTER)



## 04

### Kitchen Countertop

SUBZERO  
Showroom,  
Indonesia



## 03

### Kitchen Island

Aarau,  
Switzerland

Designed by  
Lamlli Architect



## 05

### Wall Cladding & Table

Sheraton  
walkerhill,  
Korea





**06**

Wash Bowl,  
Countertop  
Oesch Bad,  
Switzerland



**08**

Wash Bowl  
K&B  
Showroom,  
France



**07**

Bathtub,  
Countertop  
Oesch Bad,  
Switzerland



**09**

Wash Bowl  
Marriott  
Renaissance  
Hotel  
Barcelona,  
Spain

Designed by  
Jean Nouvel



# HEALTHCARE

Durable and ultra hygienic Staron® solid surfaces offer unparalleled design flexibility, color selection and ease of maintenance and repair— all while exceeding stringent commercial healthcare standards.





**03**

**Integral Sinks**  
Barmherzige  
Schwestern Hospital,  
Australia



**04**

**Nurses' Station**  
Rizk Hospital,  
Lebanon  
Designed by Pierre saadeh



**06**

**Information Desk**  
King Hamad  
Oncology  
Center,  
Bahrain



**05**

**Nurses' Station**  
St .Joe's  
Healthcare,  
USA



**07**

**Patient's Room Fixture**  
Samsung Seoul  
Atopycenter,  
Korea



# CREATIVE WORKS

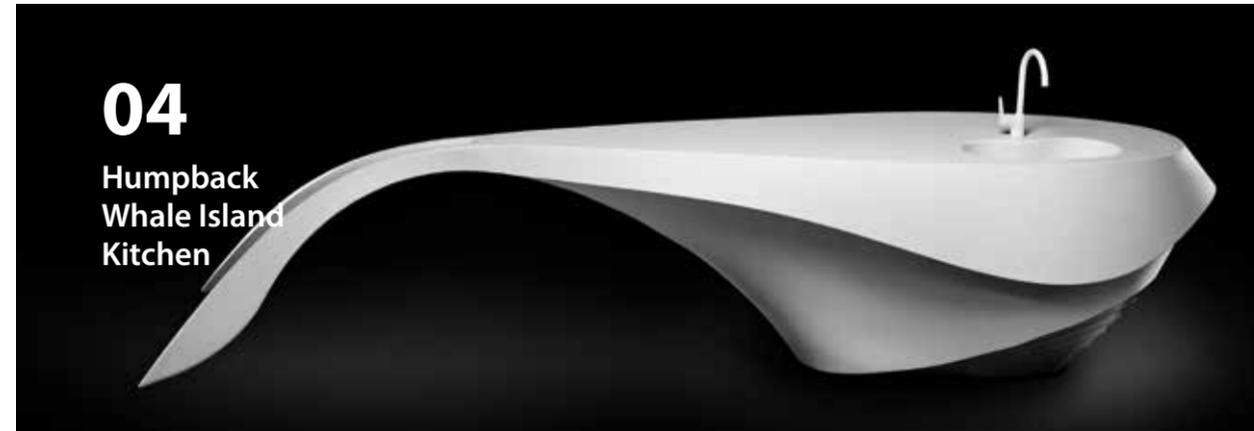
Think beyond your imagination with the colorful assortment of patterns offered by the unique properties of Staron® solid surfaces. With colors ranging from solids to dazzling metallics, Staron® can accommodate a multitude of design options.



**01**  
Art-work  
Designed by  
Markus Benesch,  
Germany



**03**  
Owl Speaker



**04**  
Humpback  
Whale Island  
Kitchen



**02**  
Odyssey Desk  
Designed by  
Massive Design,  
Poland



**05**  
Zebra Table



**06**  
Zebra Sofa

# URBAN SERIES PROPOSAL

Simple, modern and sophisticated. Staron® Urban Collection is characterized by understated, industrially inspired colors— perfect for commercial spaces as well as minimalist residential applications.

## 1. Urban Outlook Contrast / Brilliant & Essential / Texture



## 2. Effortless Beauty Sleek / Neutral / Contemporary



# FACADE SOLUTION

Explore your limits with the infinitely versatile and durable surface. Staron® offers endless design potentials that meet the demands of any space.

## 1. Seamless Joint



## 2. Dimensional Flexibility



## 3. CNC Fabrication



## 4. Lighting Effect



# Supreme™

## THE SUPREME COLLECTION

The variegated patterns of the Supreme Collection offers relaxed aqueous textures to neutral surfaces that can embellish any interior aesthetics. Staron® high durability features make it the ideal surfacing material for any unique and distinctive fixtures.

### Nature's Art & Movement



# 01

## Kitchen Countertop

**Morning Sky**  
VM114



# 02

## Wash Bowl, Wall Cladding (Shower Booth)

**Cotton White**  
VC110





**03**  
Kitchen  
Countertop  
Ocean View  
VO171



**04**  
Information Desk  
Cloudbank  
VC118



**06**  
Information Desk  
Magnolia  
VM143



**05**  
Kitchen  
Countertop  
Dandelion  
VD175



**07**  
Kitchen  
Countertop  
Natural Bridge  
VN144



**08**  
Kitchen Countertop  
Urban Grey  
VU127

# NEW COLORS

**Noir Concrete**  
VN180

**Tranquil**  
VT115

**Flux**  
VF113

**Terrazzo Venezia**  
NT150

**Ash Concrete**  
VA129

# COLORS OF STARON

## SUPREME



Cotton White VC110



Morning Sky VM114



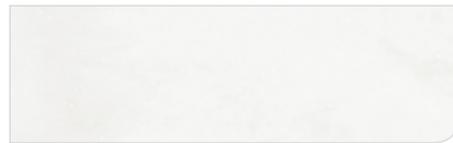
Beige Granite VB172



Urban Grey VU127



Delphi VD111



Tranquil VT115 **NEW**



Ocean View VO171



Cloudbank VC118



Reno VR184



Rainier VR173



Magnolia VM143



Flux VF113 **NEW**



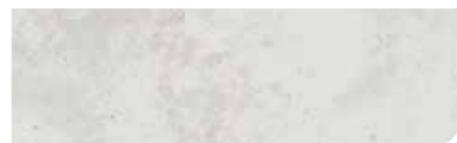
Natural Bridge VN144



Elbert VE111



Dandelion VD175



Dawn VD126



Ash Concrete VA129 **NEW**



Pastoral VP177



Loam VL155



Noir Concrete VN180 **NEW**



Presto VP159

## TEMPEST



Peak FP100



Confection FC116



Coconut FC112



Horizon FH114



Bamboo FB173



Shell FS115



Prairie FP142



Rattan FR124



Caraway FC155



Glimmer FG144



Whippoorwill FW145



Bronzestar FB154



Coffee Bean FC158



Radiance(Shimmer)  
FR148



Igneous FI187

## SOLID



Quasar White SQ019



Bright White BW010



Pure White SP016



Pearl SP011



Ivory SI040



Serene SS023



Sunflower(N) SS042

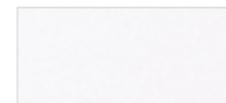


Univers(N) SU053



Onyx ON095

## SANDED



Sanded Icicle SI414



Sanded Birch SB412



Sanded Cream SM421



Sanded Linen SL443



Sanded Sahara SS440



Sanded Gold Dust SG441



Sanded Vermillion SV430



Sanded Cornmeal SC433



Sanded Papyrus SP474



Sanded Clay SC475



Sanded Mocha SM453



Sanded Chestnut SC457



Sanded White Pepper WP410



Sanded Grey SG420



Sanded Tundra ST482



Sanded Taupe ST486

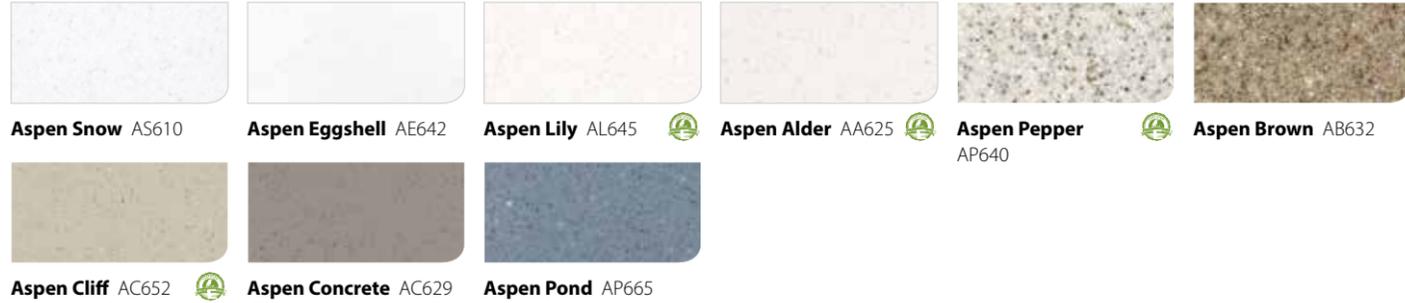


Sanded Meadow SM465

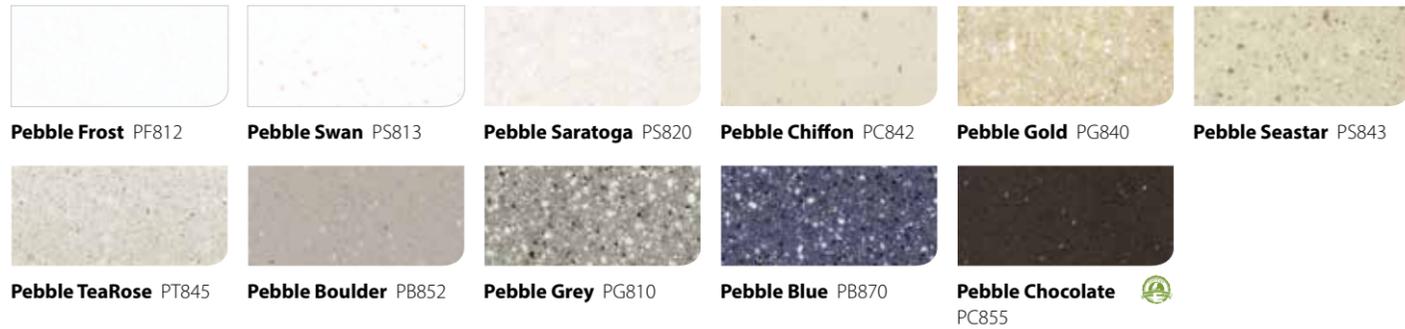


Sanded Onyx SO423

## ASPEN



## PEBBLE



## QUARRY



## TERRAZZO



## METALLIC



### Eco-Friendly Materials, Staron

Printed representation of colors may vary from actual samples. Please review actual sample prior to selection.



- Please consult your local supplier of Staron® for specific recommended care and maintenance practices.
- To view new colors in greater detail, please visit [www.staron.com](http://www.staron.com)



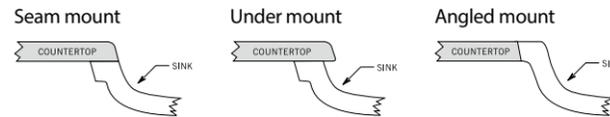
# SINKS & BOWLS

Staron solid surface sinks and bowls are installed with the all-acrylic sheet in a seamless appearance for a smooth and polished fit. The continuous transition from sink to surface leaves no seams for bacteria or mold to accumulate and grow, thus Staron's non-porous solid surfaces are the most desirable choice for hygienic interior commercial applications. Staron sinks come in three following colors in ten popular models:

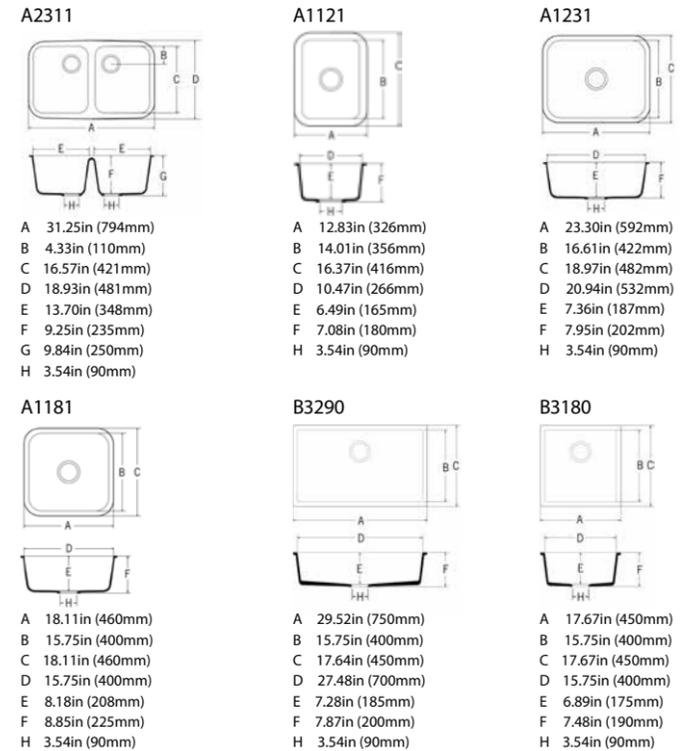
### COLOR OPTIONS



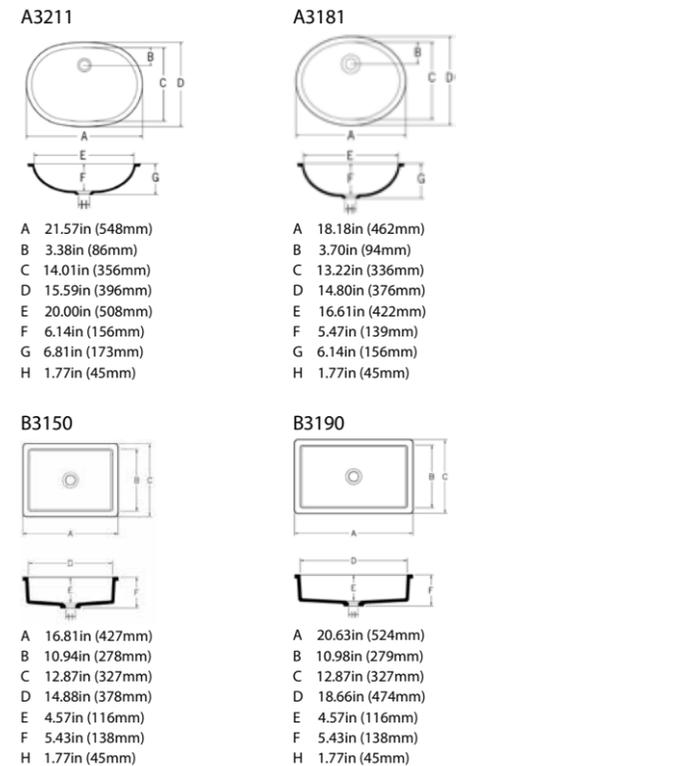
### MOUNTING OPTIONS



### LAVATORY SINKS / BASINS



### KITCHEN / UTILITY SINKS



# PERFORMANCE PROPERTIES

The information contained herein is provided by LOTTE CHEMICAL Co., Ltd. and subsidiaries and affiliates for information purposes only and should be used by individuals with technical experience and knowledge in the area.

LOTTE CHEMICAL does not make any representation or warranties of the usefulness or expected result of the information, and does not assume any responsibility whatsoever related to the use of the information.

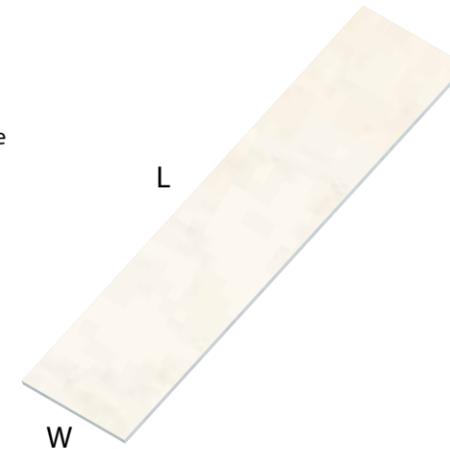
Exclusion of the implied warranties may not apply in certain jurisdictions.

PROPERTY	TEST RESULT	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.5%	ASTM D 638
Hardness	92 Rockwell "M" Scale 65 Barcol impressor	ASTM D 785 ASTM D 2583
Thermal expansion	2.0x10 <sup>-5</sup> in/in F <sup>0</sup>	ASTM D 696
Gloss (60 Gardner)	Between 5-20	NEMA LD-3
Color stability	No change-200hrs	NEMA LD-3
Stain resistance	Passed Rating 41	ANSIZ 124
Abrasion resistance	Passed	ANSIZ 124
Boiling water surface resistance	No effect	NEMA LD-3
High temperature resistance	No effect	NEMA LD-3
IZON Impact resistance (Notched)	0.28ft. lbf/in	ASTM D 256
Ball drop 1/2" (12 mm) sheet	144"w/1/2lb ball No failure	NEMA LD-3
Fungi and Bacterial resistance	No growth	ASTM G 21, G22
Specific gravity Solid colors Patterned colors	1.72 1.69	ASTM D 792
Water absorption	0.04%, (1/2", 24hrs) 0.11%, (1/8", 24hrs)	ASTM D 570
Flammability Flame spread Smoke density	Class A/Class 1 10 10	UBC 8-1 ASTM E 84 ASTM E 84
Radiant heat resistance	No visual effect	NEMA LD-3
Toxicity	84.4g (Solid Color) 81.8g (Patterned Color)	Pittsburgh test protocol (LC50 Test)

## PRODUCT DIMENSIONS

### COLLECTION

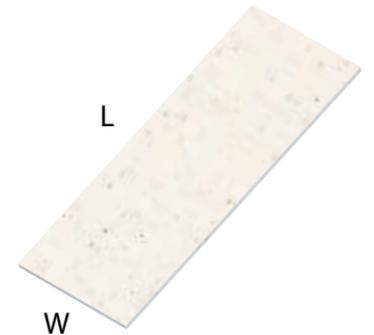
Solid, Sanded,  
Aspen, Pebble,  
Quarry, Metallic,  
Tempest, Supreme



THICKNESS	WIDTH	LENGTH
mm	mm	mm
12 (1/2")	760 (30")	3,680 (145")

### COLLECTION

Solid, Sanded,  
Aspen, Metallic



THICKNESS	WIDTH	LENGTH
mm	mm	mm
6 (1/4")	760 (30")	2,500 (98")

- Bright White with wider widths is available. Widths of 1350mm and 930mm with the thickness of 6mm, 9mm and 12mm are available.
- Panel thicknesses of 9mm and 19mm available on request.
- 6mm thickness sheet is not recommended for horizontal application.
- If there is a specific dimension or size that is required for a particular project, please consult with the local agent or distributor.

## STARON® 10-YEAR LIMITED WARRANTY

The 10-year warranty applies to Staron, Tempest and Supreme Collection products that have been installed in an interior, commercial-use or residential application.

For more details, please consult with your Staron products distributor, or visit [www.staron.com](http://www.staron.com)

## DISCLAIMER

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