

# staron<sup>®</sup>

Solid Surfaces

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# LOTTE ADVANCED MATERIALS

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” engineered, natural 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.

**LOTTE ADVANCED MATERIALS,**  
A creator of  
high-quality materials  
and refined sensibilities.

# 2019 LOTTE ADVANCED MATERIALS

LOTTE ADVANCED MATERIALS 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.

<b>1989</b> ABS & PS plants completed	<b>1993</b> Acrylic solid surface material plant completed	<b>2006</b> Polycarbonate plant completed	<b>2008</b> Compounding plant in Mexico completed
<b>2014</b> Compounding plant in Dongguan, China completed	<b>2011</b> Compounding plant in Hungary completed	<b>2010</b> Compounding plant in Tianjin, China completed	<b>2009</b> Quartz Surfaces factory established

**starex®**  
ABS | ABS ALLOY | ASA | EPS | SAN

ABS

**NO.2** IN KOREA  
**NO.5** IN THE WORLD

**INFINO®**  
PC | PC ALLOY | PBT | MPPE | PA | PPA | PPS | PCT | TPE

PC

**NO.1** IN KOREA  
**NO.5** IN THE WORLD

**staron®**  
ACRYLIC SOLID SURFACE

*Radianz®*  
NATURAL QUARTZ SURFACE[Engineered Stone]

SURFACE MATERIALS

**NO.1** IN KOREA  
**NO.3** IN THE WORLD



# STRETCH YOUR IMAGINATION TO EXPERIENCE THE POSSIBILITIES WITH STARON.

## WHY STARON ?

Staron solid surfaces boast dimensional flexibility and low maintenance that ascertain its durability for a multitude of interior applications. Comprised of a wide range of designs and shades with its non-porous and hygienic textures, Staron includes the Tempest collection with high transparency properties and the Supreme with elegant and refined patterns.



### RELIABLE PERFORMANCE

- Cutting-edge technology that sets a new standard for interior applications
- Easily repaired due to the homogenous structure



### HYGIENIC SURFACE

- Non-porous surface that prevents growth of bacteria
- Resistant to heat and scratches
- Easy to maintain



### DIMENSIONAL FLEXIBILITY

- Can be thermoformed into three dimensional fixtures
- Excellent workability that creates various designs



### INFINITE RANGE OF COLORS

- Over 150 colors from natural to vivid palette tones featuring our collections: Tempest and Supreme
- Ongoing collaboration with color trend experts that keeps Staron on top of recent color trends and designs



### IMPERCEPTIBLE SEAMS

- Consistent color and texture on every sheet that provides smooth and seamless surface



### INTERIOR LUMINANCE

- 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 global distribution networks in various countries



### EXCELLENT QUALITY

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

# COMMERCIAL & PUBLIC SPACES

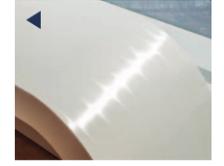
Make an impression with stylish interior design  
Innovative design meets inspiring ideas  
Smooth and seamless surface achieve the detail



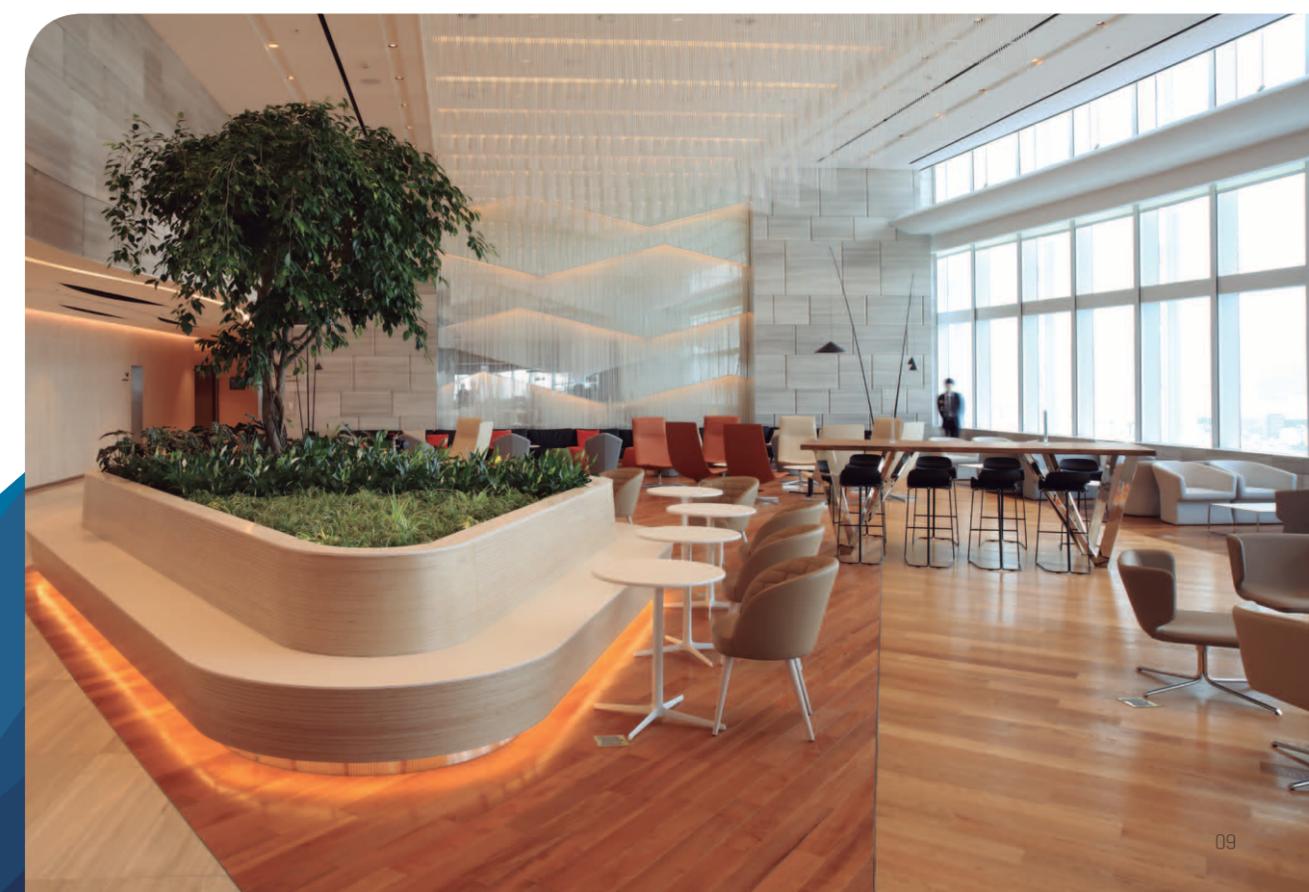
**01**  
Observatory Table  
LOTTE World  
Tower, Korea



**02**  
Task Table  
LOTTE World  
Tower, Korea



**03**  
Bench  
LOTTE World  
Tower, Korea





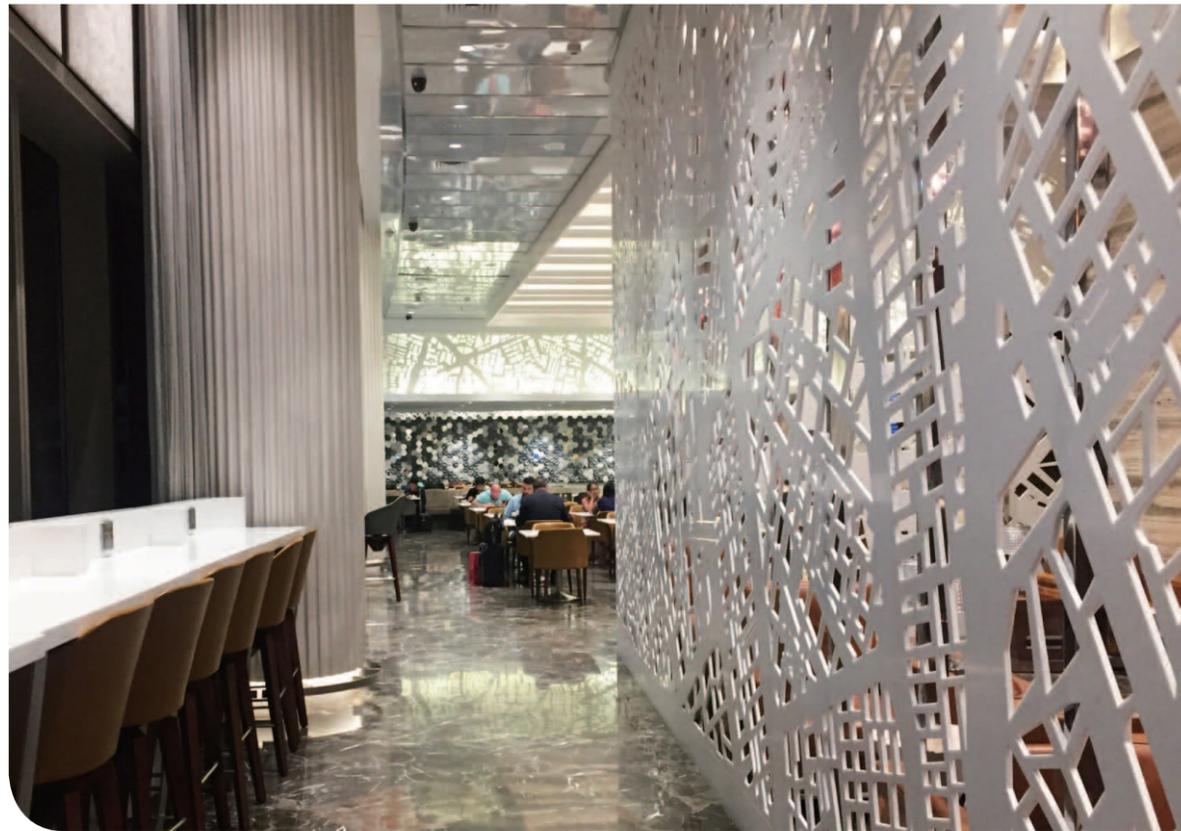
**04**  
Display Fixture  
Stewart Weitzman  
Shoes Shop,  
Greece



**06**  
Media Facade  
Kumho Art Hall,  
Korea



**05**  
Wall Cladding  
Mumbai Airport  
Lounge, India



**07**  
Display  
Structure Wall  
LOTTE World  
Tower, Korea

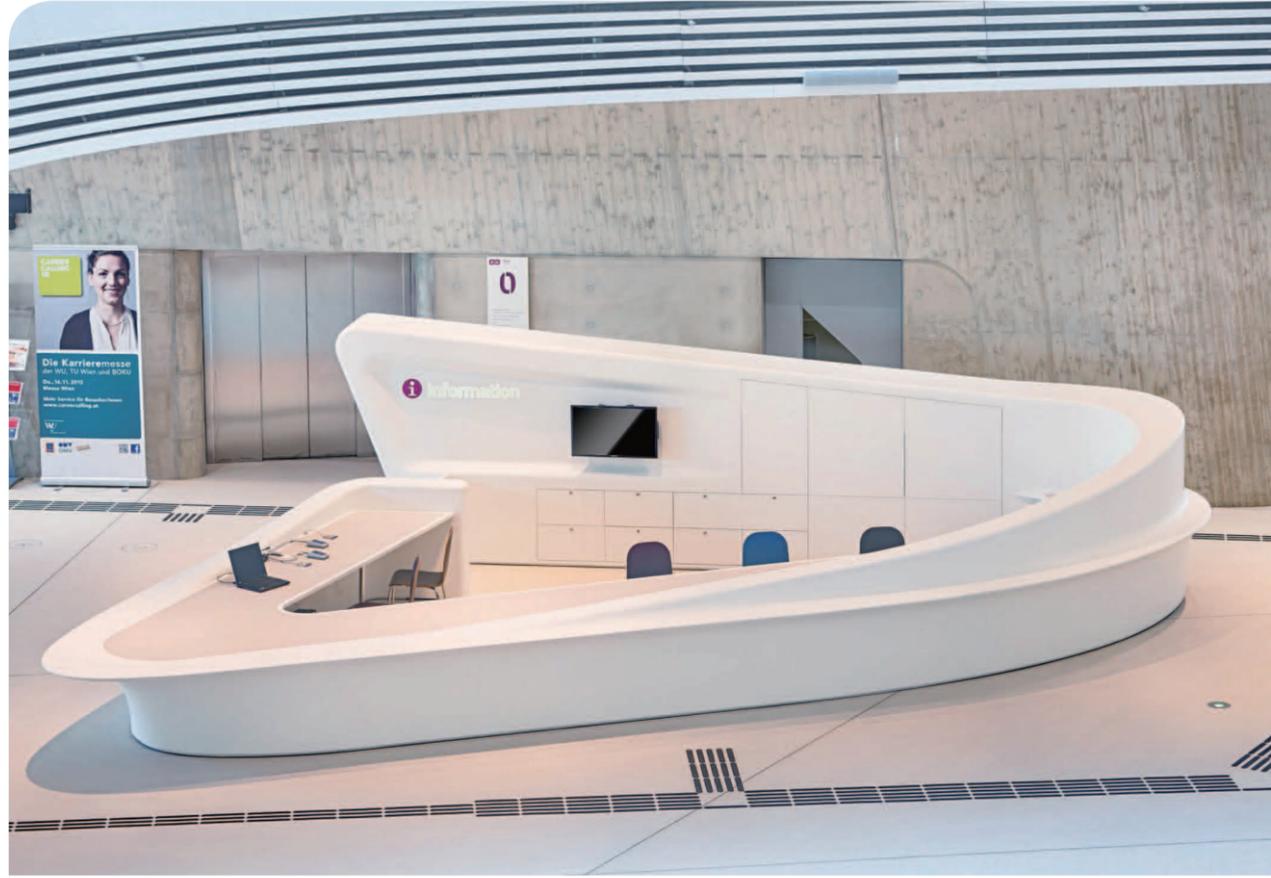


08

Information Counter

Library & Learning Centre, Austria

Designed by Zaha Hadid



10

Display Fixture

Heidi.com Shop, Switzerland

Designed by Zaha Hadid



09

Counter

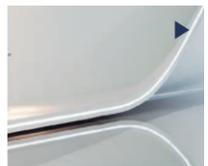
London Heathrow Airport, UK



11

Exhibition Hall

Samsung HR Development Center, Korea



# RESIDENTIAL SPACES

Achieve elegance of the focal points of residential spaces  
Beautiful color and patterns for various design choices  
Hygienic material that is easy to restore and maintain

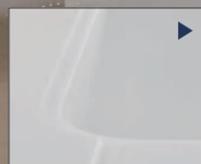


01

Kitchen  
Countertop

Interior Furniture,  
Australia

Designed by  
Darren James



### 03

Kitchen  
Countertop  
Kitchen House  
A and S,  
Germany  
Designed by  
Recker  
Architekten



### 05

Kitchen  
Countertop  
SUBZERO  
Showroom,  
Indonesia



### 04

Kitchen Island  
Aarau,  
Switzerland  
Designed by  
Lamkli  
Architecture

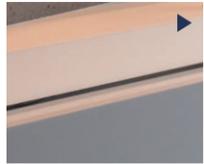


### 06

Wall Cladding &  
Table  
Sheraton  
walkerhill,  
Korea



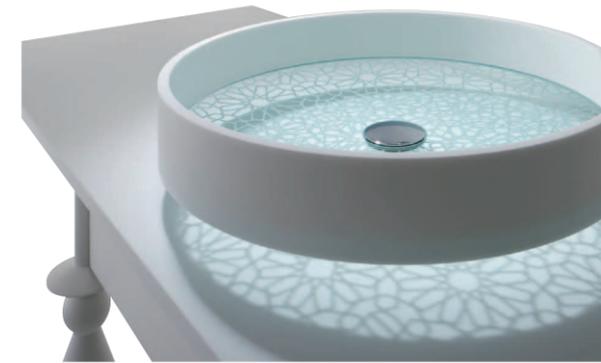
**07**  
Wash Bowl,  
Countertop  
Oesch Bad,  
Switzerland



**09**  
Wash Bowl  
K&B Showroom,  
France



**10**  
Motif Basin  
Omvivo, Australia  
Designed by  
Thomas Coward



**08**  
Bathtub,  
Countertop  
Oesch Bad,  
Switzerland



**11**  
Wash Bowl  
Marriott  
Renaissance Hotel  
Barcelona, Spain  
Designed  
by Jean Nouvel



# HEALTHCARE



**01**  
Wall Cladding & Furniture  
Dental Hygiene School,  
Switzerland  
Designed by  
Bern Smile



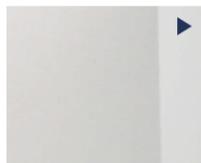
Non-porous surface material  
Provides the highest material standard by limiting bacterial growth  
Maintain spaces hygienic yet modern and sophisticated



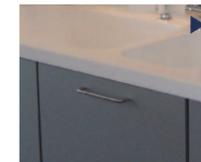
**03**  
Countertop  
HUG University  
Hospital of Geneva,  
Switzerland



**02**  
Wall Cladding  
Operating Room  
Erlangen Hospital,  
Germany



**04**  
Countertop  
HUG University  
Hospital of Geneva,  
Switzerland





05

Countertop

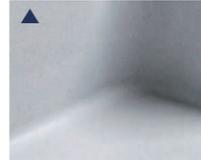
Hopital Prive De L'ouest Parisien, France



06

Integral Sinks

Barmherzige Schwestern Hospital, Austria



08

Information Desk

King Hamad Oncology Center, Bahrain



07

Nurses' Station

St. Joe's Healthcare, USA



09

Patient's Room Fixture

Samsung Seoul Atopycenter, Korea

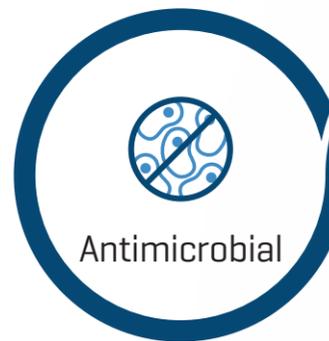


## ANTIMICROBIAL MATERIAL, SOLUTION FOR HEALTHCARE

evermoin® anti-microbial surfaces from staron® can be applied to almost any interior space within a healthcare facility. Imagine casework, work-stations and wall-cladding in a functional and renewable material that is durable as well as ultra-hygienic.

Achieve the perfect blend of simplicity in design in an anti-microbial surface engineered for a healthier life.

### Benefit of evermoin®



Antimicrobial

Speedy antibacterial effect and action on representative bacteria and fungi



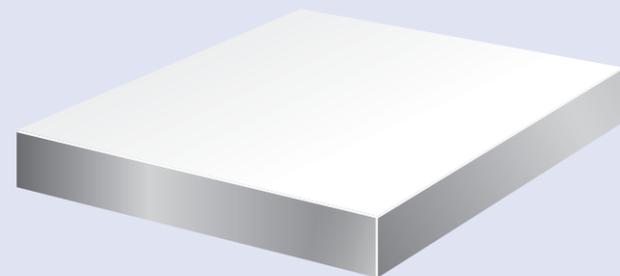
Durability

Excellent antimicrobial retention and Confirm quality stability and durability



Safety

Material certification harmless to human body and environment [NSF, FDA]



**NEW**

### Product information

Ultra Bright MU010

Dimension :

L.3680 x W.760 x 12T [mm]

L.2500 x W.760 x 6T [mm]



# CREATIVE WORKS

01

Art-work

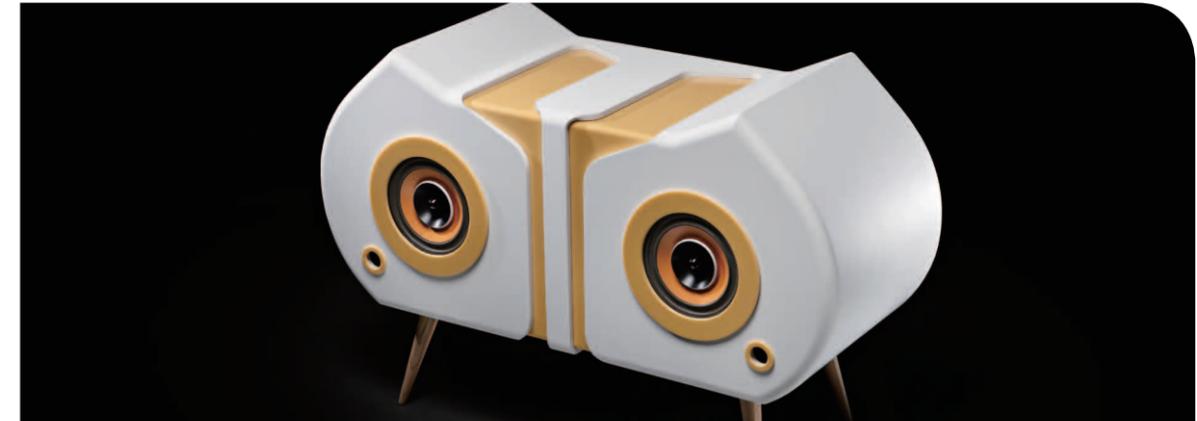
Designed by  
Markus Benesch,  
Germany



Color range that is not limited by the times  
Artwork material that is elaborate but durable  
Design that is not limited by specific forms

03

Owl Speaker



04

Humpback  
Whale Island  
Kitchen



02

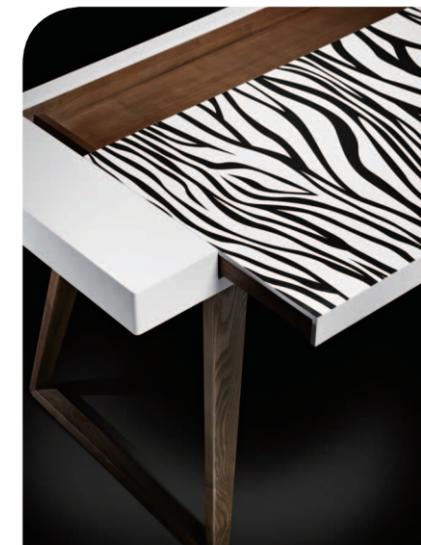
Odyssey Desk

Designed by  
Massive Design,  
Poland



05

Zebra Table



06

Zebra Sofa



# Supreme™

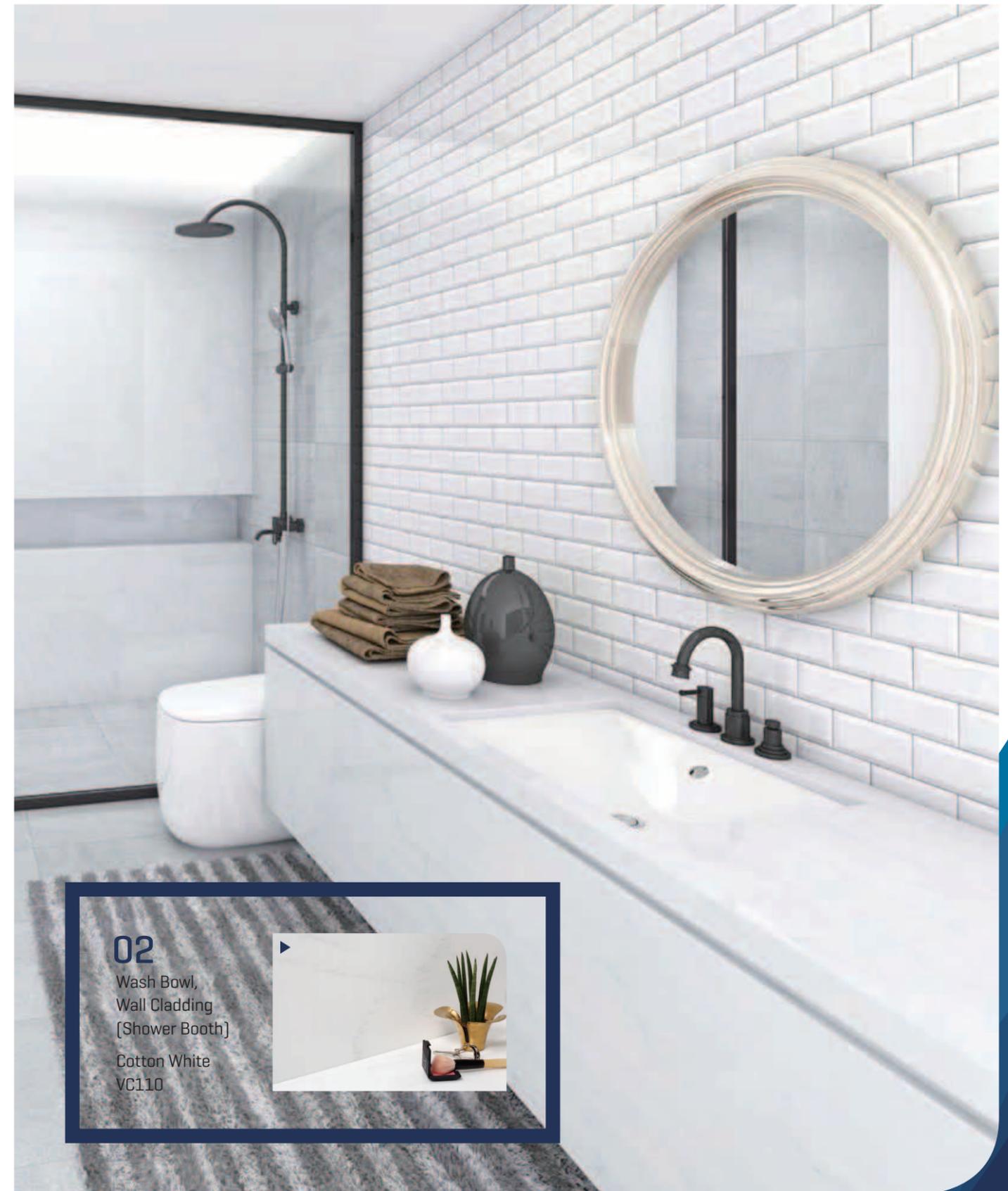
## THE SUPREME COLLECTION

The Supreme™ collection features a natural, rhythmic pattern and delivers the next generation of high-performance, premium solid surfaces for commercial spaces and residential interiors.

### 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  
Pastoral  
VP177



08

Kitchen  
Countertop  
Urban Grey  
VU127



# NEW COLORS

• To view new colors in detail,  
please visit [www.staron.com](http://www.staron.com)

**Aspen  
Iceberg**  
AI612

**Sanded  
Mint**  
SM463

**Tempest  
Bamboo**  
FB173

**Sanded  
Iceblue**  
SI462

**Aspen  
Eggshell**  
AE642

**Metallic  
Sleeksilver (N)**  
ES581

**Tempest  
Mystic**  
FM178

**Supreme  
Concerto**  
VC157

**Supreme  
Reno**  
VR184

**Supreme  
Odyssey**  
VO173

**evermoin®  
Ultra Bright**  
MU010

**Supreme  
Desert Wind**  
VD173

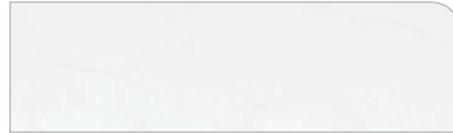
• Printed representation of colors may vary from actual samples.

# COLORS OF STARON

## SUPREME



Morning Sky VM114



Cotton White VC110



Delphi VD111



Cloudbank VC118



Beige Granite VB172



Magnolia VM143



Ocean View VO171



Pastoral VP177



Natural Bridge VN144



Dandelion VO175



Dawn VD126



Urban Grey VU127



Reno VR184

NEW



Odyssey VO173

NEW



Concerto VC157

NEW



Desert Wind VO173

NEW

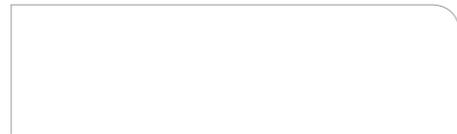


Loam VL155



Presto VP159

## STARON EVERMOIN



Ultra Bright MU010

NEW

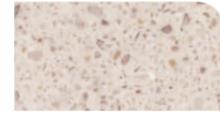
## TEMPEST



Peak FP100



Meteor FM111



Bamboo FB173

NEW

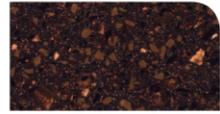


Mystic FM178

NEW



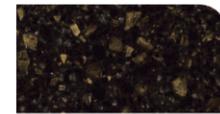
Genesis FG174



Blaze FB147



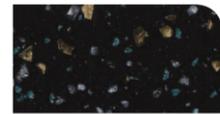
Coffee Bean FC158



Gold Leaf FG196



Radiance[Shimmer] FR148



Dazzle FD191



Igneous FI187

## SOLID



Quasar White SQ019



Dazzling White SD001



Pure white SP016



Bright White BW010



Pearl SP011



Natural SV041



Ivory SI040



Celadon SC010



Cool Mint SC063



Placid SP062



Mist SM022



Fog SF020



Serene SS023



Sunflower[N] SS042



Oasis SO064



California Poppy[N] SC052



Univers[N] SU053



Bliss SB022



Steel ST023



Iris SI056



Onyx ON095

## SANDED



Sanded Icicle SI414



Sanded Birch SB412



Sanded Cream SM421



Sanded Cornmeal SC433



Sanded Sahara SS440



Sanded Gold Dust SG441



Sanded Papyrus SP474



Sanded Vermillion SV430



Sanded Clay SC475



Sanded Mint SM463

NEW



Sanded Iceblue SI462

NEW



Sanded White Pepper WP410



Sanded Heron SH428



Sanded Chestnut SC457

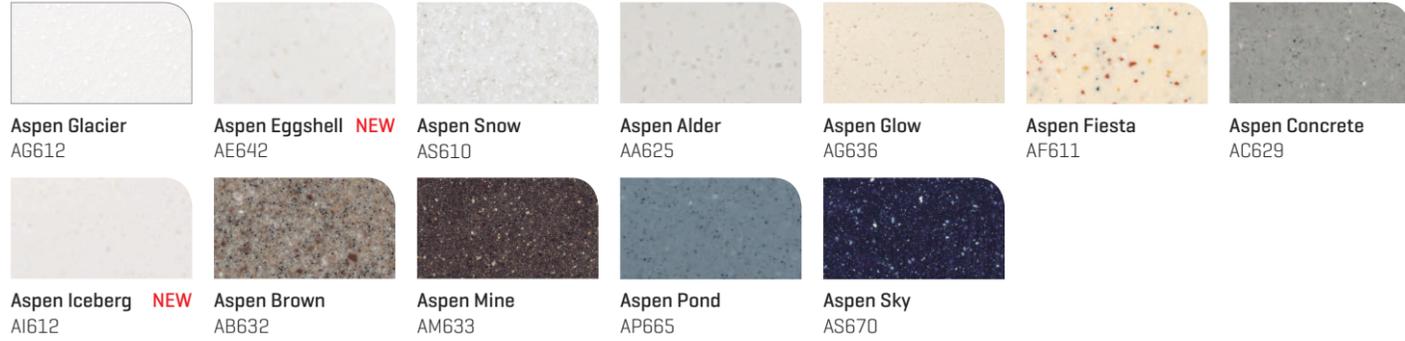


Sanded Grey SG420

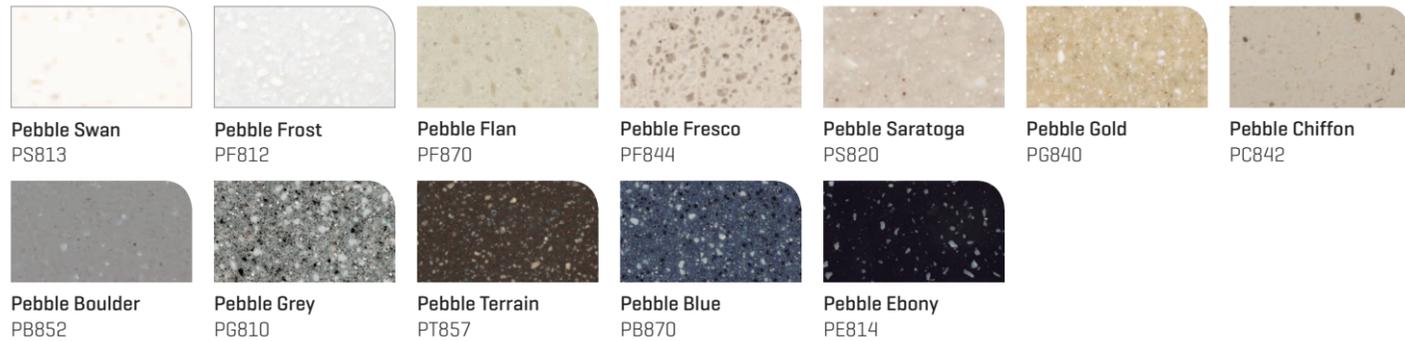


Sanded Onyx SO423

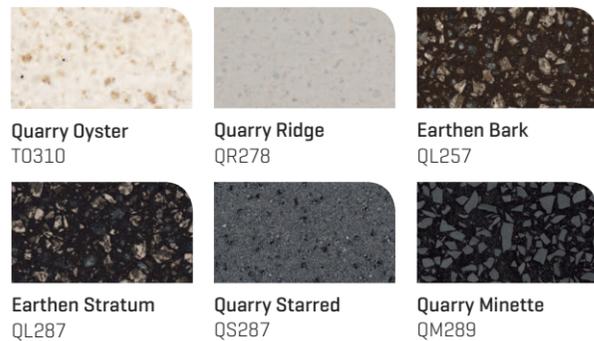
## ASPEN



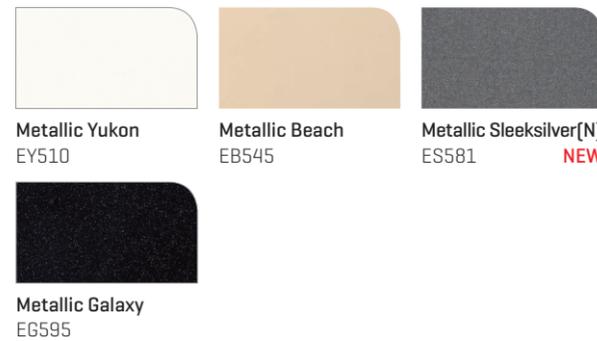
## PEBBLE



## QUARRY



## METALLIC



## Eco-Friendly Materials, Staron

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

- To view new colors in greater detail, please visit [www.staron.com](http://www.staron.com)
- These colors may require extra care and maintenance; consult with your Staron processor for the best use of these colors.



# SINKS & BOWLS

## ADA Compliant

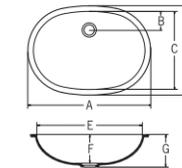
Staron solid surface sinks and bowls are installed with the all-acrylic sheet in a seamless appearance for a smooth and polished fit. The continuous transition from sink to surface leaves no seams for bacteria or mold to accumulate and grow, thus Staron's nonporous solid surfaces are the most desirable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

### COLOR OPTIONS



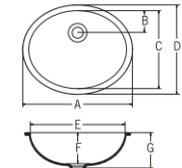
### LAVATORY SINKS / BASINS

A3211



A 21-9/16" [548mm]  
B 3-3/8" [86mm]  
C 14" [356mm]  
D 15-9/16" [396mm]  
E 20" [508mm]  
F 6-1/8" [156mm]  
G 6-13/16" [173mm]

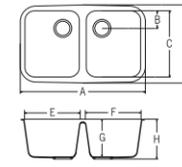
A3181



A 18-3/16" [462mm]  
B 3-11/16" [94mm]  
C 13-1/4" [336mm]  
D 14-13/16" [376mm]  
E 16-5/8" [422mm]  
F 5-1/2" [139mm]  
G 6-1/8" [156mm]

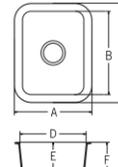
### KITCHEN / UTILITY SINKS

A2311



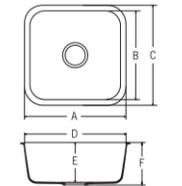
A 31-1/4" [794mm]  
B 4-15/16" [110mm]  
C 16-9/16" [421mm]  
D 18-15/16" [481mm]  
E 13-11/16" [348mm]  
F 13-11/16" [348mm]  
G 9-1/4" [235mm]  
H 9-13/16" [250mm]

A1121



A 12-13/16" [326mm]  
B 14" [356mm]  
C 16-3/8" [416mm]  
D 10-3/8" [266mm]  
E 6-1/2" [165mm]  
F 7-1/16" [180mm]

A1181



A 18-1/8" [460mm]  
B 15-3/4" [400mm]  
C 18-1/8" [460mm]  
D 15-3/4" [400mm]  
E 8-3/16" [208mm]  
F 8-7/8" [225mm]

A1231



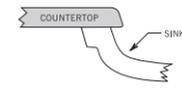
A 23-5/16" [592mm]  
B 16-5/8" [422mm]  
C 19" [482mm]  
D 20-15/16" [532mm]  
E 7-3/8" [187mm]  
F 7-15/16" [202mm]

### MOUNTING OPTIONS

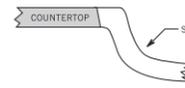
Seam mount



Under mount



Angled mount



# PERFORMANCE PROPERTIES

The information contained herein is provided by LOTTE ADVANCED MATERIALS 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 ADVANCED MATERIALS 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.

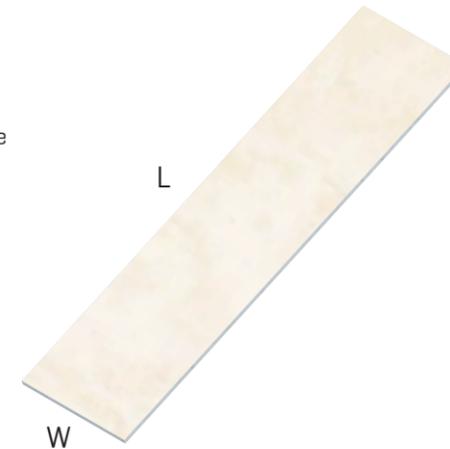
Exclusion of the implied warranties may not apply in certain jurisdictions.

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	2.0x1.0 <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

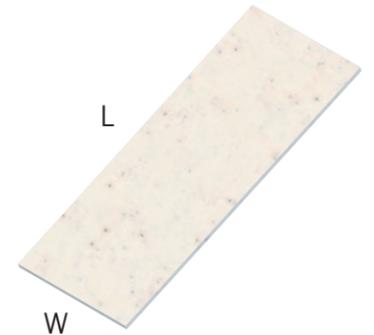
Solid, Sanded,  
Aspen, Pebble,  
Quarry, Metallic,  
Tempest, Supreme



THICKNESS	WIDTH	LENGTH
mm	mm	mm
12 [1/2"]	760 [30"]	3,680 [145"]

### COLLECTION

Solid, Sanded,  
Aspen



THICKNESS	WIDTH	LENGTH
mm	mm	mm
6 [1/4"]	760 [30"]	2,500 [98"]

- 6mm [1/4"] 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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