

# staron®

Solid Surfaces

**LOTTE ADVANCED MATERIALS THAILAND**

1 Empire Tower, Unit 1602-1603, 16<sup>th</sup> FL,  
South Sathorn Rd, Yannawa, Sathorn, Bangkok 10120, Thailand.  
Tel. +66-2-624-6730

**LOTTE ADVANCED MATERIALS**

56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea, 437-711  
Tel. +82-31-596-3467, 3856

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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

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

ABS

<b>NO.2</b> IN KOREA	<b>NO.5</b> IN THE WORLD
-------------------------	-----------------------------

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

PC

<b>NO.1</b> IN KOREA	<b>NO.5</b> IN THE WORLD
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**staron®**  
ACRYLIC SOLID SURFACE

*Radianz®*  
NATURAL QUARTZ SURFACE[Engineered Stone]

SURFACE MATERIALS	<b>NO.1</b> IN KOREA	<b>NO.3</b> IN THE WORLD
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# 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

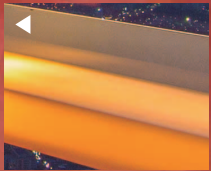


# COMMERCIAL & PUBLIC SPACES

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



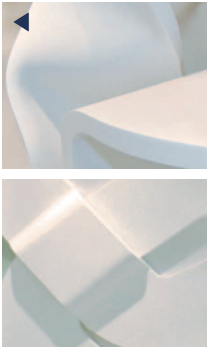
**03**  
Bench  
LOTTE World  
Tower, Korea







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



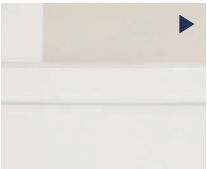
**06**  
Media Facade  
Kumho Art Hall,  
Korea



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



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



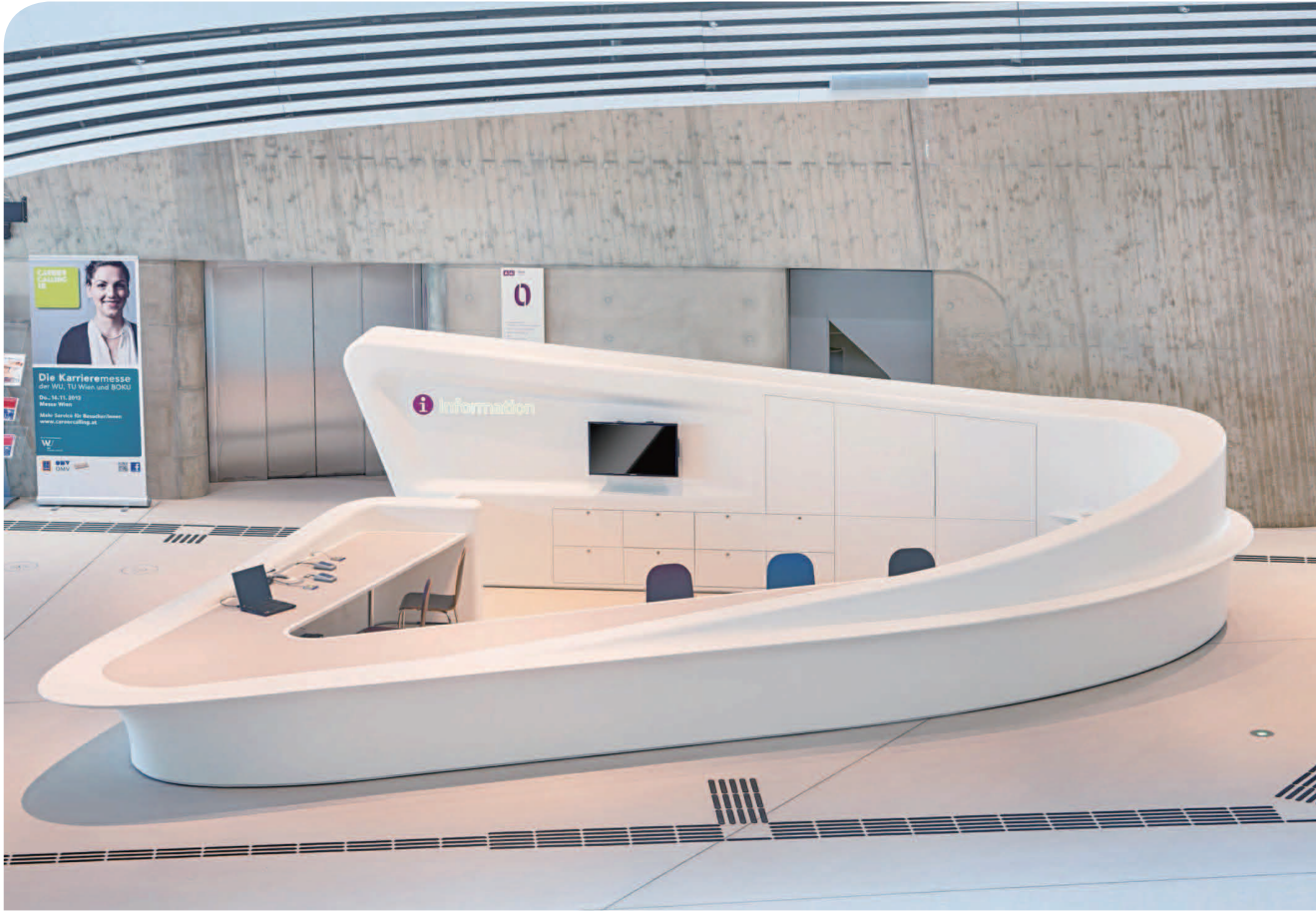


08

Information  
Counter

Library & Learning  
Centre, Austria

Designed by  
Zaha Hadid



10

Display Fixture

Heidi.com Shop,  
Switzerland

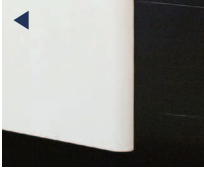
Designed by  
Zaha Hadid



09

Counter

London Heathrow  
Airport, UK



11

Exhibition Hall

Samsung HR  
Development  
Center, Korea





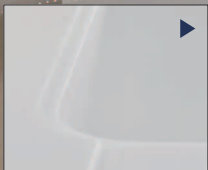
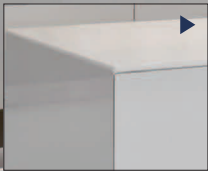
# RESIDENTIAL SPACES

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



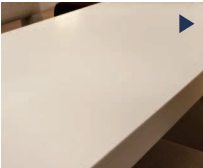
04

Kitchen Island  
Aarau,  
Switzerland  
Designed by  
Lammli  
Architecture



06

Wall Cladding &  
Table  
Sheraton  
walkerhill,  
Korea





07

Wash Bowl,  
Countertop  
Oesch Bad,  
Switzerland



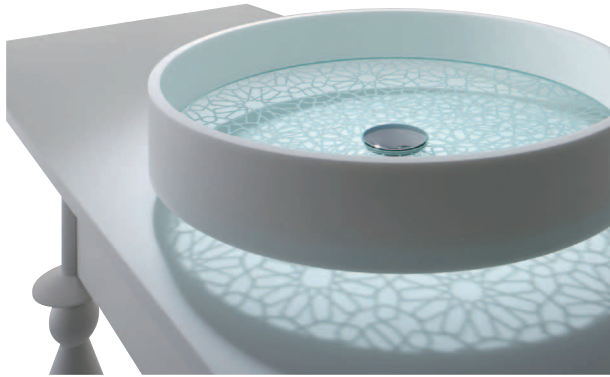
09

Wash Bowl  
K&B Showroom,  
France



10

Motif Basin  
Omvivo, Australia  
Designed by  
Thomas Coward



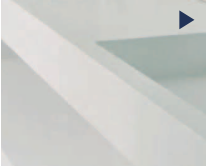
08

Bathtub,  
Countertop  
Oesch Bad,  
Switzerland



11

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





# HEALTHCARE



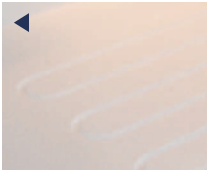
**01**  
Wall Cladding & Furniture  
Dental Hygiene School,  
Switzerland  
Designed by  
Bern Smile



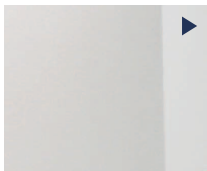
Non-porous surface material  
Provides the highest material standard by limiting bacterial growth  
Maintain spaces hygienic yet modern and sophisticated



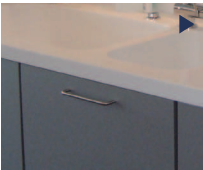
**03**  
Countertop  
HUG University  
Hospital of Geneva,  
Switzerland



**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



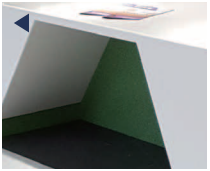
06

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

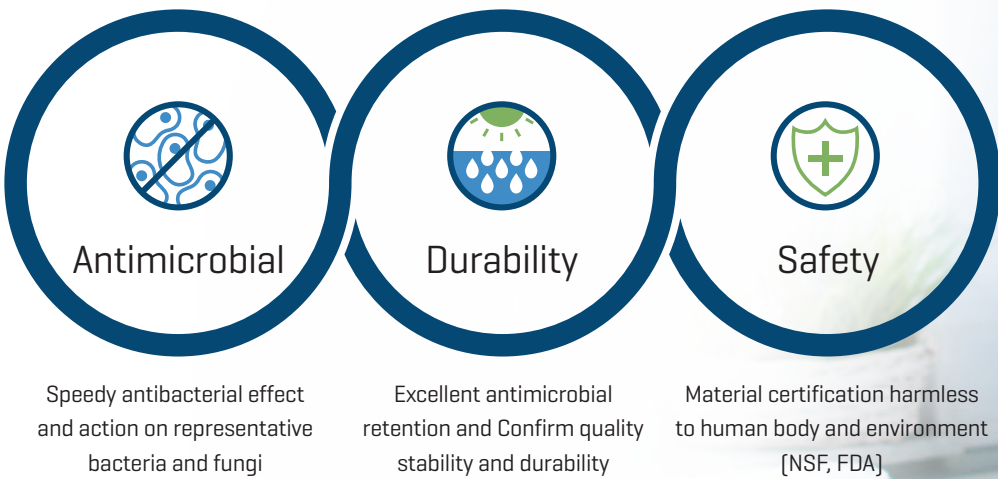




ANTIMICROBIAL MATERIAL, SOLUTION FOR HEALTHCARE

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®





**NEW**

**Product information**

Ultra Bright MU010

Dimension :  
L.3680 x W.760 x 12T [mm]  
L.2500 x W.760 x 6T [mm]

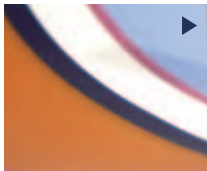




# CREATIVE WORKS

01

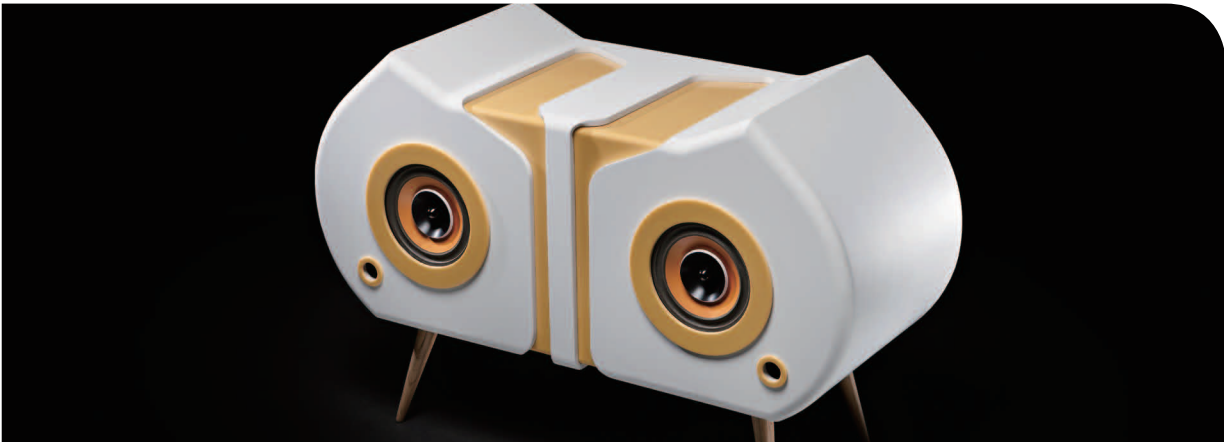
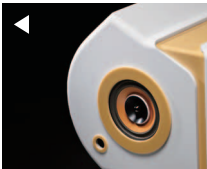
Art-work  
Designed by  
Markus Benesch,  
Germany



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

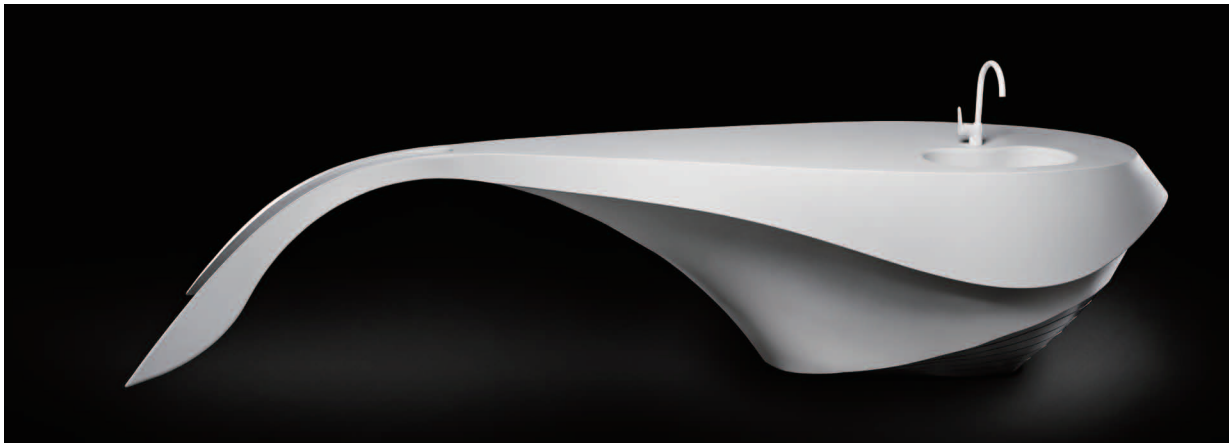
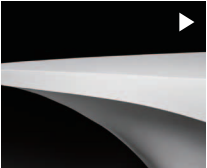
03

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

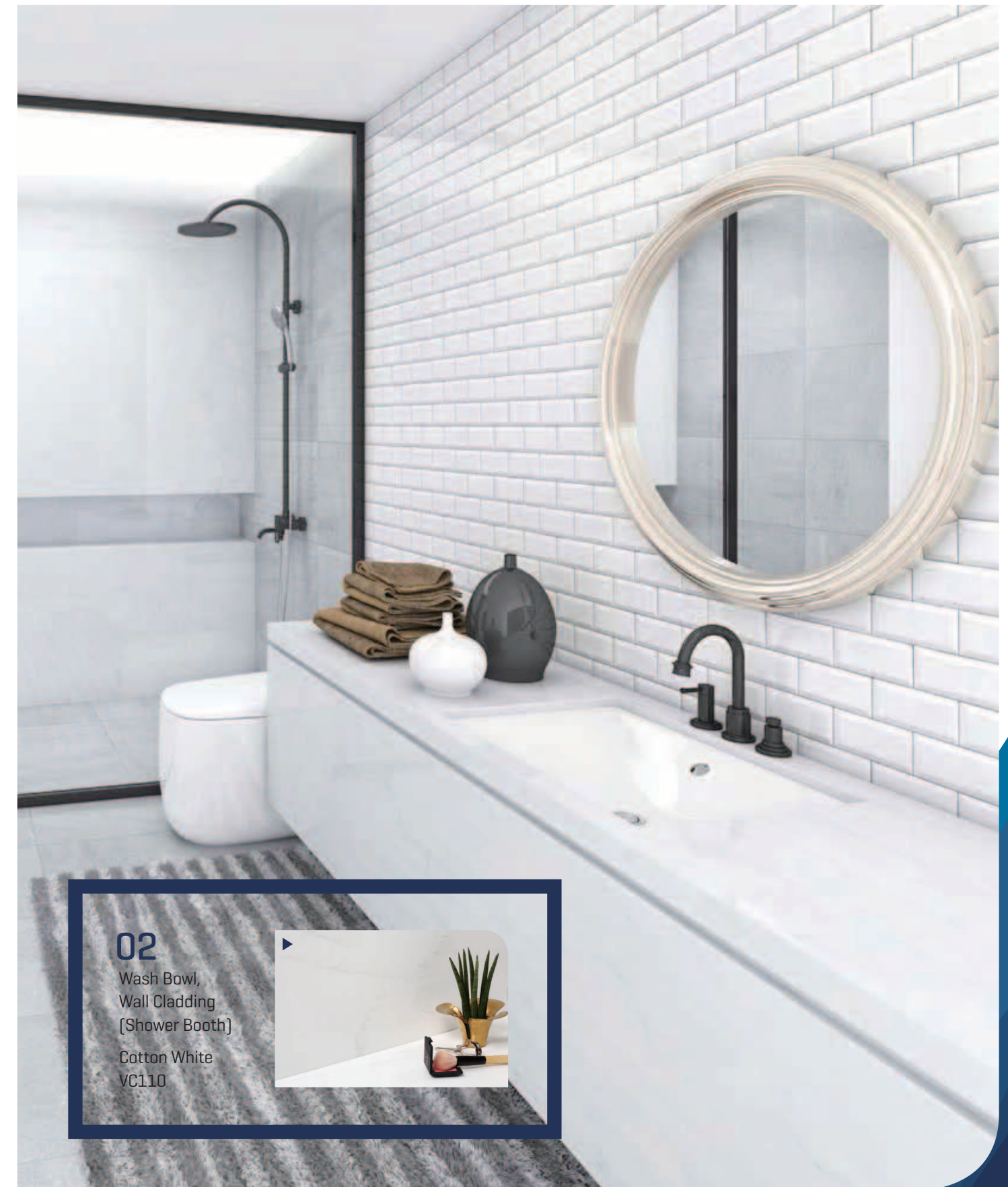
The Supreme™ collection features a natural, rhythmic pattern and delivers the next generation of high-performance, premium solid surfaces for commercial spaces and residential interiors.

### 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  
V0171



04

Information Desk  
Cloudbank  
VC118



06

Information Desk  
Magnolia  
VM143



05

Kitchen  
Countertop  
Dandelion  
VD175



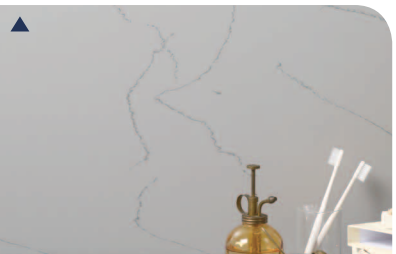
07

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

**Aspen  
Eggshell**  
AE642

**Tempest  
Coconut**  
SI462

**Sanded  
Mint**  
SM463

**Tempest  
Bamboo**  
FB173

**Tempest  
Mystic**  
FM178

**Supreme  
Concerto**  
VC157

**Supreme  
Reno**  
VR184

**Aspen  
Misto**  
AM681





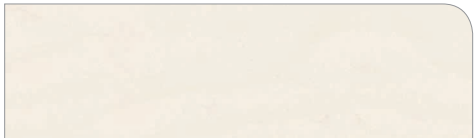
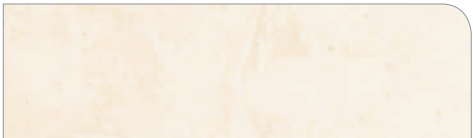
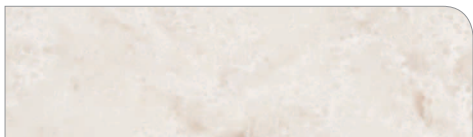
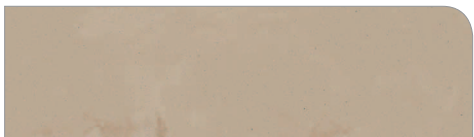

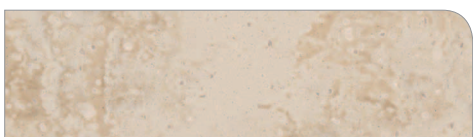
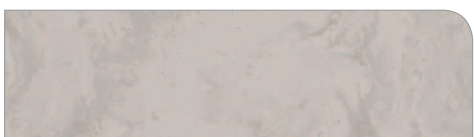
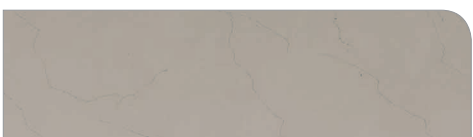
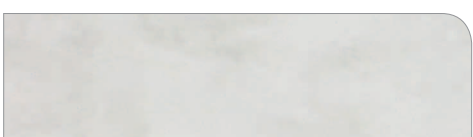


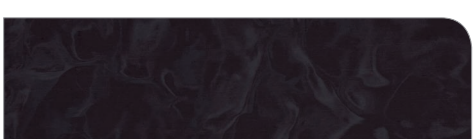
**evermoin®  
Ultra Bright**  
MU010

• 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 VD175	 Dawn VD126	 Urban Grey VU127
 Reno VR184	 Loam VL155	 Concerto VC157
 Presto VP159		



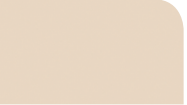


## STARON EVERMOIN

 Ultra Bright MU010
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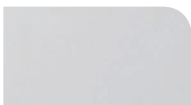

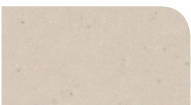





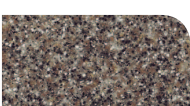
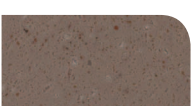


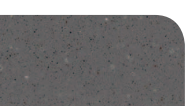
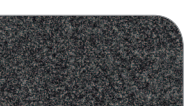

## TEMPEST

 Peak FP100	 Polar FP111	 Meteor FM111	 Coconut FC112	 Bamboo FB173	 Horizon FH114
 Mystic FM178	 Genesis FG174	 Caraway FC155	 Coffee Bean FC158	 Radiance(Shimmer) FR148	 Igneous FI187

## SOLID

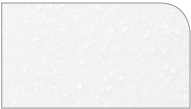
 Quasar White SQ019	 Dazzling White SD001	 Pure white SP016	 Bright White BW010	 Pearl SP011	 Natural SV041	 Ivory SI040
 Fog SF020	 Serene SS023	 Sunflower[N] SS042	 California Poppy[N] SC052	 Univers[N] SU053	 Iris SI056	 Onyx ON095

## SANDED


 Sanded Icicle SI414	 Sanded Birch SB412	 Sanded Cream SM421	 Sanded Sahara SS440	 Sanded Gold Dust SG441	 Sanded Papyrus SP474	 Sanded Meadow SM465
 Sanded Dover SD413	 Sanded Linen SL443	 Sanded Cornhusk SC443	 Sanded Vermillion SV430	 Sanded White Pepper WP410	 Sanded Heron SH428	 Sanded Chestnut SC457
 Sanded Grey SG420	 Sanded Mocha SM453	 Sanded Clay SC475	 Sanded Mint SM463	 Sanded Taupe ST486	 Sanded Tundra ST482	 Sanded Dark Nebula DN421
 Sanded Onyx SO423						




ASPEN




Aspen Glacier  
AG612




Aspen Eggshell **NEW**  
AE642




Aspen Iceberg **NEW**  
AI612




Aspen Snow  
AS610




Aspen Alder  
AA625




Aspen Glow  
AG636



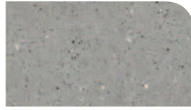
Aspen Fiesta  
AF611




Aspen Stucco  
AS644




Aspen Lily  
AL645



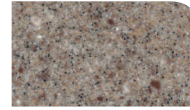
Aspen Concrete  
AC629



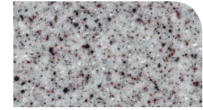
Aspen Cliff  
AC652




Aspen Misto **NEW**  
AM681



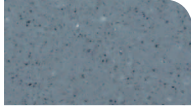
Aspen Brown  
AB632



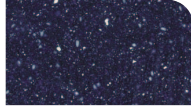
Aspen Grey  
AG620



Aspen Mine  
AM633




Aspen Pond  
AP665

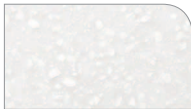


Aspen Sky  
AS670


PEBBLE




Pebble Swan  
PS813




Pebble Frost  
PF812



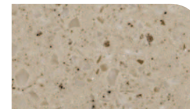
Pebble Saratoga  
PS820



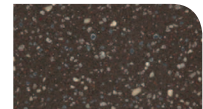
Pebble Gold  
PG840



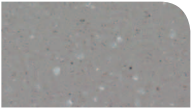
Pebble Chiffon  
PC842



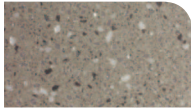
Pebble Spinel  
PS854



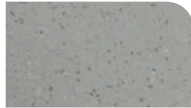
Pebble Terrain  
PT857



Pebble Boulder  
PB852

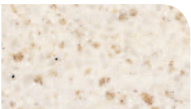


Collina Mirage  
PM879




Collina Chai  
PC829

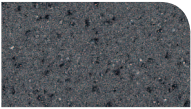
QUARRY



Quarry Oyster  
T0310

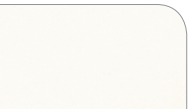


Quarry Ridge  
QR278



Quarry Starred  
QS287

METALLIC



Metallic Yukon  
EY510



Metallic Satingold  
ES558



Metallic Sleeksilver[N]  
ES581



Metallic Galaxy  
EG595

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:

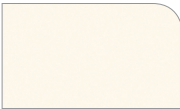
COLOR OPTIONS



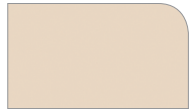
Quasar White SQ019



Bright White BW010



Pearl SP011

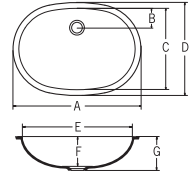


Ivory SI040



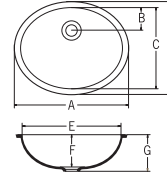
LAVATORY SINKS / BASINS

**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]

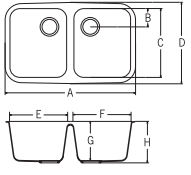
**A3181**



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]

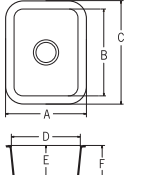
KITCHEN / UTILITY SINKS

**A2311**



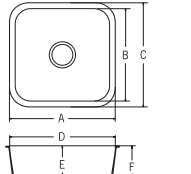
A 31-1/4" [794mm]  
B 4-15/16" [110mm]  
C 16-9/16" [421mm]  
D 18-15/16" [481mm]  
E 13-11/16" [348mm]  
F 13-11/16" [348mm]  
G 9-1/4" [235mm]  
H 9-13/16" [250mm]

**A1121**



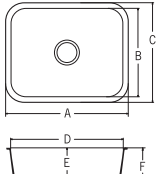
A 12-13/16" [326mm]  
B 14" [356mm]  
C 16-3/8" [416mm]  
D 10-3/8" [266mm]  
E 6-1/2" [165mm]  
F 7-1/16" [180mm]

**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]

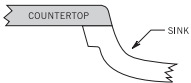
**A1231**



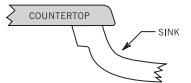
A 23-5/16" [592mm]  
B 16-5/8" [422mm]  
C 19" [482mm]  
D 20-15/16" [532mm]  
E 7-3/8" [187mm]  
F 7-15/16" [202mm]

MOUNTING OPTIONS

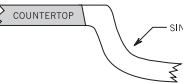
**Seam mount**



**Under mount**



**Angled mount**





# PERFORMANCE PROPERTIES

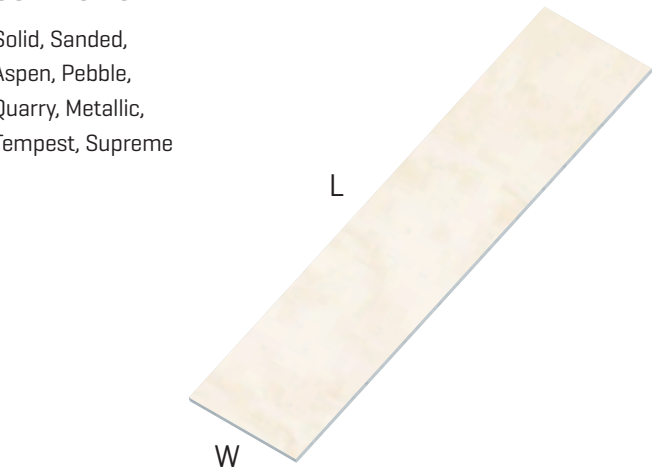
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PROPERTY	TEST RESULT	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.5%	ASTM D 638
Hardness	92 Rockwell “M” Scale 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 Pattereded 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

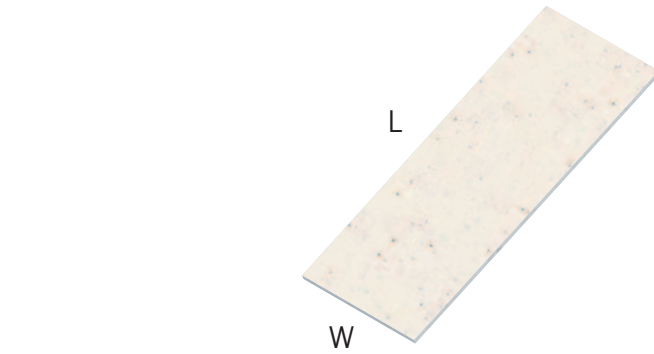


THICKNESS	WIDTH	LENGTH
mm	mm	mm
12 [1/2”]	760 [30”]	3,680 [145”]

- 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.

### COLLECTION

Solid, Sanded,  
Aspen



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

## 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)

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