

staron®

Solid Surfaces

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Architectural Building Products

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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-
High-quality materials,
refined sensibilities.

2019 LOTTE ADVANCED MATERIALS

LOTTE ADVANCED MATERIALS launched its 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 poly-carbonate and high-performance decorative surfacing materials.

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

starex[®]
ABS | ABS ALLOY | ASA | EPS | SAN

ABS

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

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

PC

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

staron[®]
ACRYLIC SOLID SURFACE

Radianz[®]
NATURAL QUARTZ SURFACE[Engineered Stone]

SURFACE MATERIALS

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



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 nonporous, ultra-hygienic and ultimately durable. The Tempest and Supreme collections offer translucent properties combined with elegant, refined patterns.



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 threedimensional 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



01
Observatory Table
LOTTE World
Tower, Korea



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



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

Information Counter

Library & Learning Centre, Austria

Designed by Zaha Hadid Architect



10

Display Standard

Heidi.com Shop, Switzerland

Designed by Zaha Hadid Architect



09

Counter

London Heathrow Airport, UK



11

Exhibition Hall

Samsung HR Development Center, Korea



RESIDENTIAL SPACES

Staron® by LOTTE Advanced Materials 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.

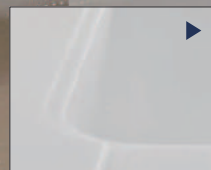
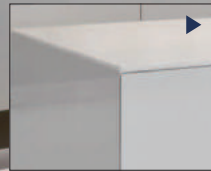


01

Kitchen
Countertop

Interior Furniture,
Australia

Designed by
Darren James



03

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



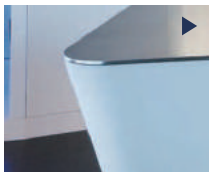
05

Kitchen
Countertop
SUBZERO
Showroom,
Indonesia



04

Kitchen Island
Aarau,
Switzerland
Designed by
Lamkli
Architecture

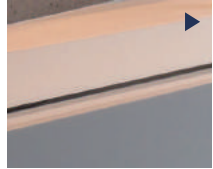


06

Wall Cladding &
Table
Sheraton
walkerhill,
Korea



07
Wash Bowl,
Countertop
Oesch Bad,
Switzerland



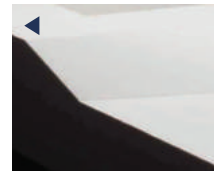
09
Wash Bowl
K&B Showroom,
France



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



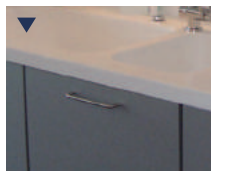
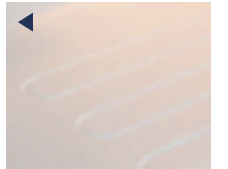
Durable and ultra hygienic Staron® Solid Surfaces offer unparalleled design flexibility, color selection and ease of maintenance and repair— all while exceeding stringent commercial healthcare standards.



02

Countertop

Geneva University Hospital, Switzerland





03

Integral Sinks
Barmherzige
Schwestern
Hospital, Austria



04

Nurses' Station
Rizk Hospital,
Lebanon
Architect
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

01

Art-work

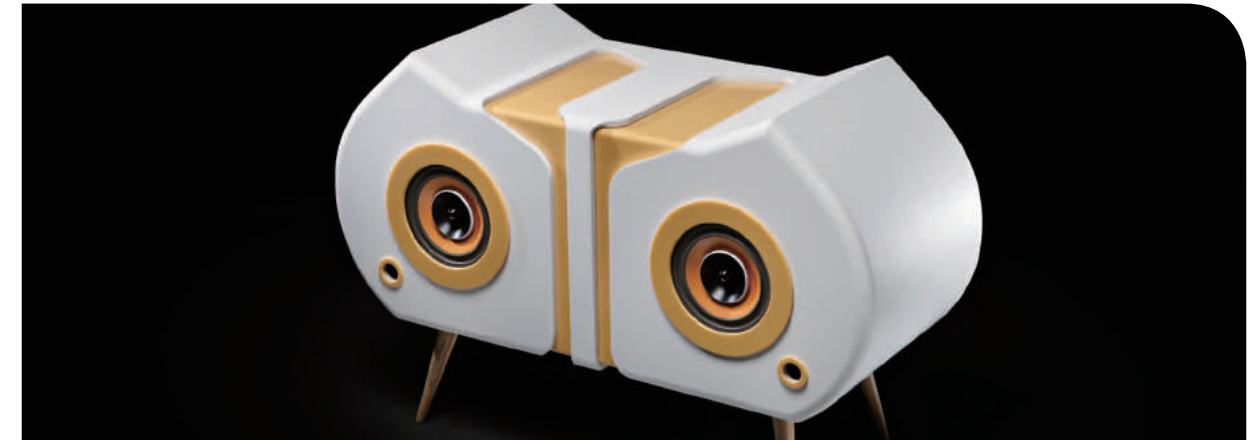
Designed by
Markus Benesch,
Germany



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.

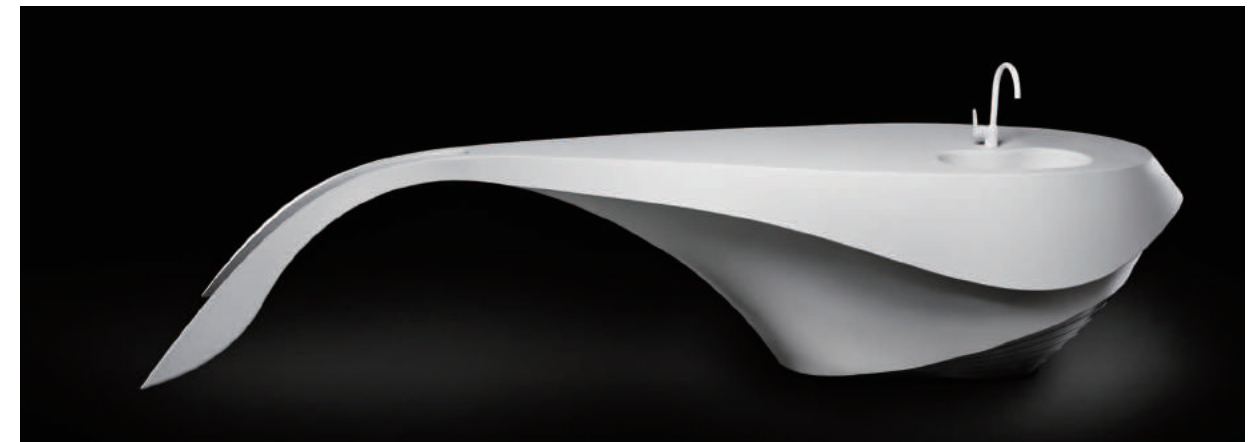
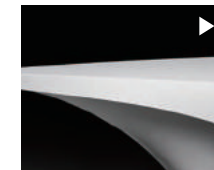
03

Owl Speaker



04

Humpback
Whale Island
Kitchen



02

Odyssey Desk

Designed by
Massive Design,
Poland



05

Zebra Table



06

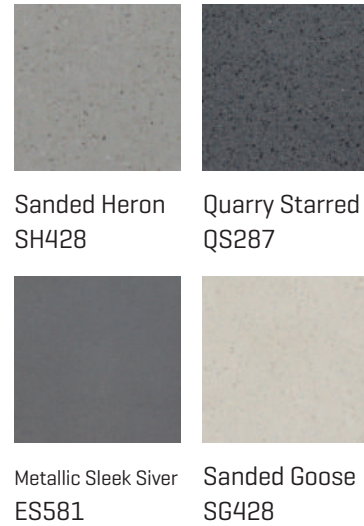
Zebra Sofa



URBAN SERIES PROPOSAL

Simple, modern and sophisticated. Staron's 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, including exterior cladding.

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's high durability features make it the ideal surfacing material for any unique and distinctive fixtures.

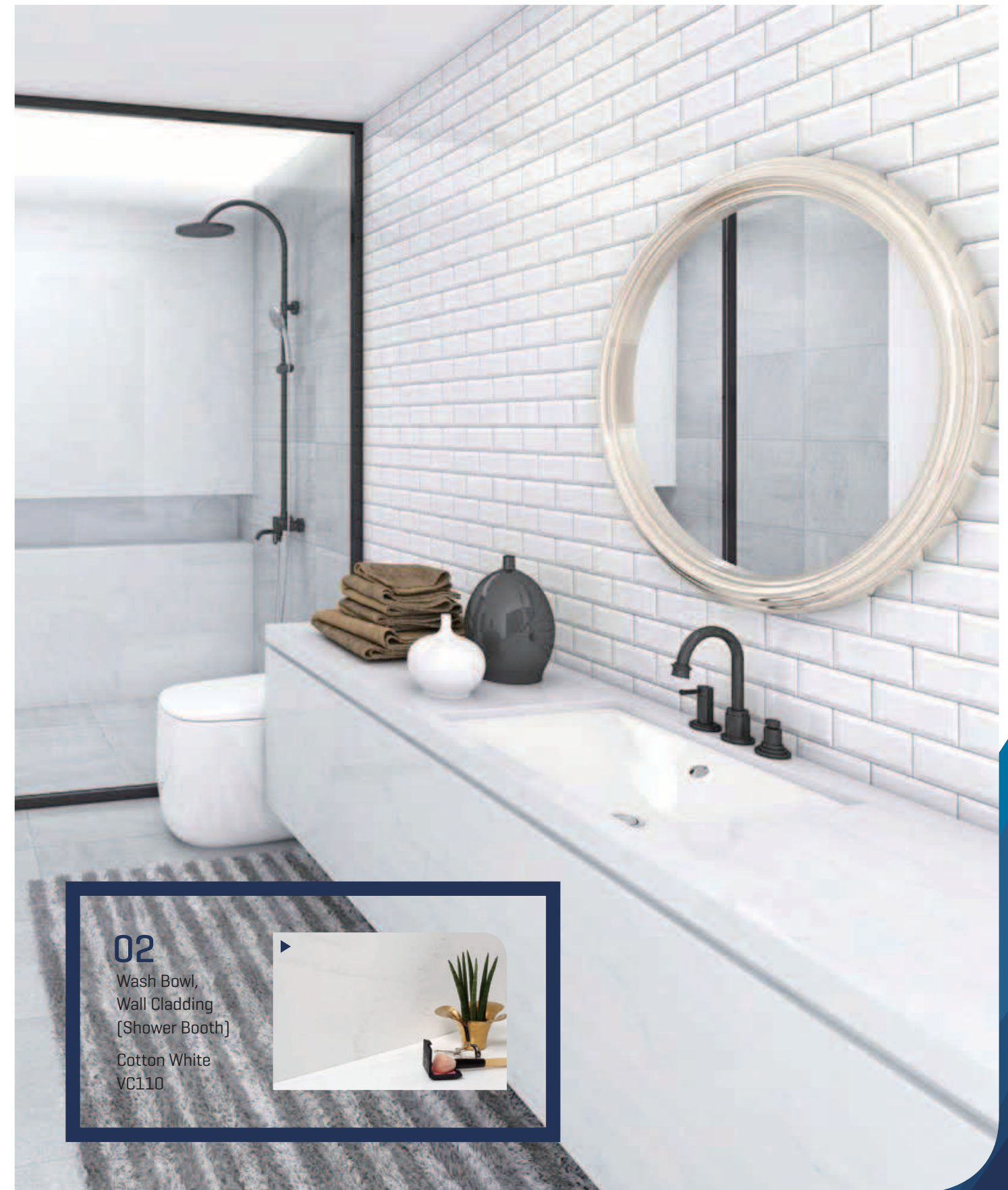
01

Kitchen
Countertop

Morning Sky
VM114



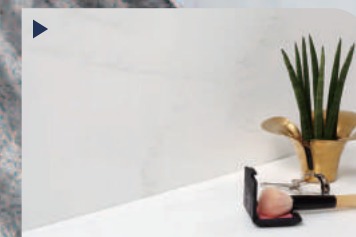
Nature's Art & Movement



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



07

Kitchen
Countertop
Natural Bridge
VN144



05

Kitchen
Countertop
Dandelion
VD175



08

Kitchen
Countertop
Urban Grey
VU127



NEW COLORS

• To view new colors in detail,
please visit www.staron.com

**Aspen
Eggshell**
AE642

**Tempest
Coconut**
FC112

**Supreme
Reno**
VR184

**Tempest
Bamboo**
FB173

**Supreme
Rainier**
VR173

**Supreme
Elbert**
VE111

• Printed representation of colors may vary from actual samples.

COLORS OF STARON

SUPREME



Morning Sky VM114



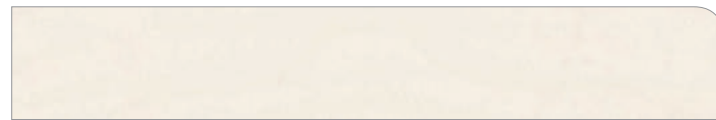
Cotton White VC110



Delphi VD111



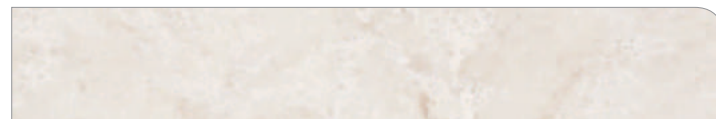
Cloudbank VC118



Beige Granite VB172



Magnolia VM143



Ocean View VO171

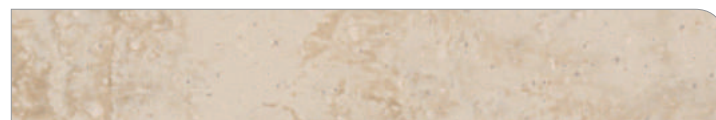


Rainier VR173

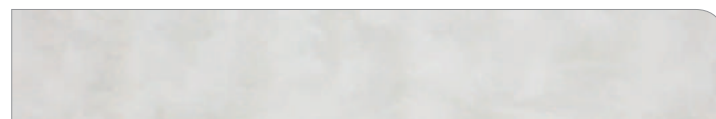
NEW



Natural Bridge VN144

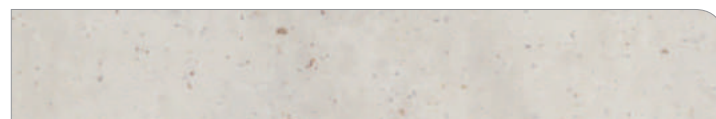


Dandelion VD175



Reno VR184

NEW

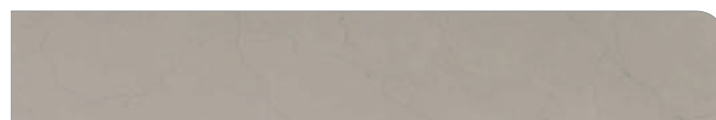


Elbert VE111

NEW



Dawn VD126



Urban Grey VU127



Pastoral VP177



Loam VL155



Presto VP159

TEMPEST



Peak
FP100



Coconut
FC112

NEW



Confection
FC116



Bamboo
FB173

NEW



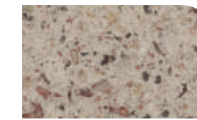
Horizon
FH114



Shell
FS115



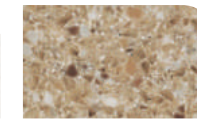
Prairie
FP142



Glimmer
FG144



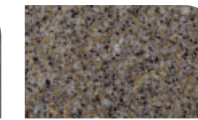
Caraway
FC155



Rattan
FR124



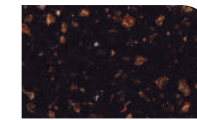
Bronzestar
FB154



Whippoorwill
FW145



Coffee Bean
FC158



Radiance(Shimmer)
FR148



Igneous
FI187

SOLID



Quasar White
SQ019



Pure white
SP016



Bright White
BW010



Pearl
SP011



Ivory
SI040



Tusk
ST015



Placid
SP062



Serene
SS023



Sunflower(N)
SS042



Univers(N)
SU053



Onyx
ON095

SANDED



Sanded Icicle
SI414



Sanded Birch
SB412



Sanded Cream
SM421



Sanded Linen
SL443



Sanded Cornmeal
SC433



Sanded Sahara
SS440



Sanded Gold Dust
SG441



Sanded Papyrus
SP474



Sanded Meadow
SM465



Sanded White Pepper
WP410



Sanded Vermillion
SV430



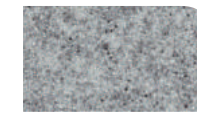
Sanded Clay
SC475



Sanded Mocha
SM453



Sanded Chestnut
SC457



Sanded Grey
SG420



Sanded Taupe
ST486

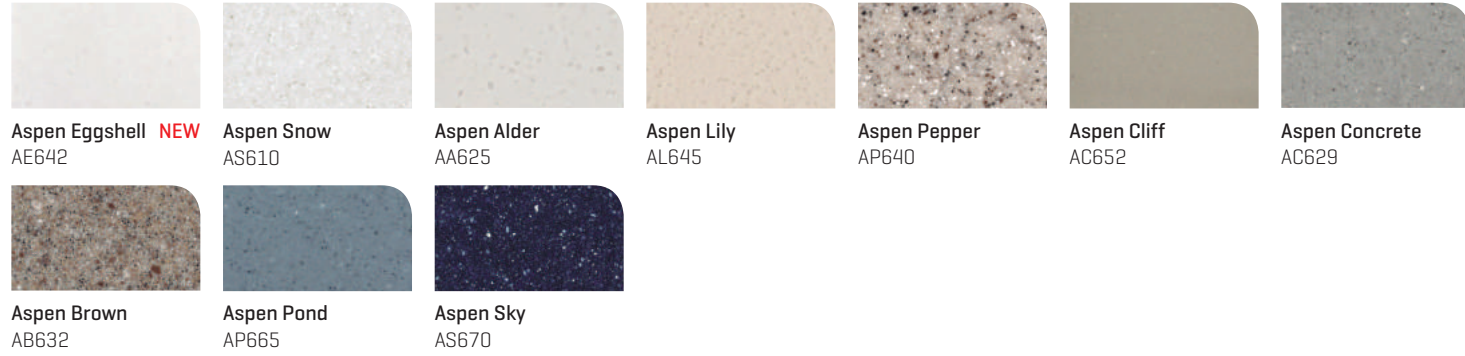


Sanded Tundra
ST482



Sanded Onyx
SO423

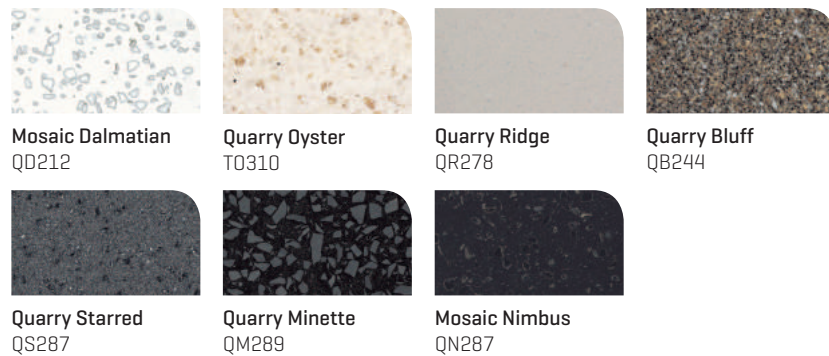
ASPEN



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
- These colors may require extra care and maintenance; consult with your Staron processor for the best use of these colors.



SINKS & BOWLS

ADA Compliant

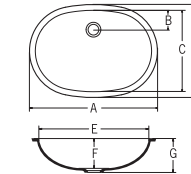
Staron solid surface sinks and bowls are installed with the all-acrylic sheet in a seamless appearance for a smooth and polished fit. The continuous transition from sink to surface leaves no seams for bacteria or mold to accumulate and grow, thus Staron's nonporous solid surfaces are the most desirable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

COLOR OPTIONS



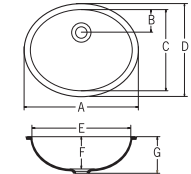
LAVATORY SINKS / BASINS

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]

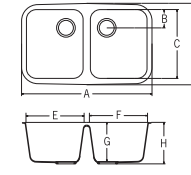
A3181



- 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]

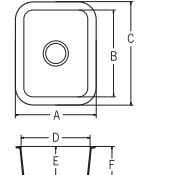
KITCHEN / UTILITY SINKS

A2311



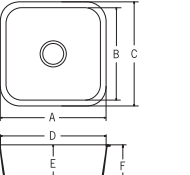
- A 31-1/4" [794mm]
- B 4-15/16" [110mm]
- C 16-9/16" [421mm]
- D 18-15/16" [481mm]
- E 13-11/16" [348mm]
- F 13-11/16" [348mm]
- G 9-1/4" [235mm]
- H 9-13/16" [250mm]

A1121



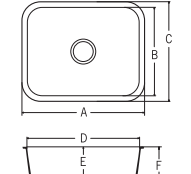
- A 12-13/16" [326mm]
- B 14" [356mm]
- C 16-3/8" [416mm]
- D 10-3/8" [266mm]
- E 6-1/2" [165mm]
- F 7-1/16" [180mm]

A1181



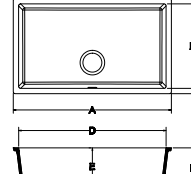
- A 18-1/8" [460mm]
- B 15-3/4" [400mm]
- C 18-1/8" [460mm]
- D 15-3/4" [400mm]
- E 8-3/16" [208mm]
- F 8-7/8" [225mm]

A1231



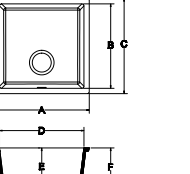
- A 23-5/16" [592mm]
- B 16-5/8" [422mm]
- C 19" [482mm]
- D 20-15/16" [532mm]
- E 7-3/8" [187mm]
- F 7-15/16" [202mm]

B3290



- A 29-1/2" [750mm]
- B 15-3/4" [400mm]
- C 17-3/4" [451mm]
- D 27-9/16" [700mm]
- E 6-15/16" [177mm]
- F 7-1/2" [190mm]

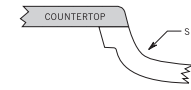
B3180



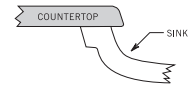
- A 17-3/4" [451mm]
- B 15-3/4" [400mm]
- C 17-3/4" [451mm]
- D 15-3/4" [400mm]
- E 6-15/16" [177mm]
- F 7-1/2" [190mm]

MOUNTING OPTIONS

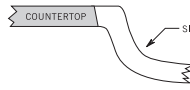
Seam mount



Under mount



Angled mount



PERFORMANCE PROPERTIES

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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.

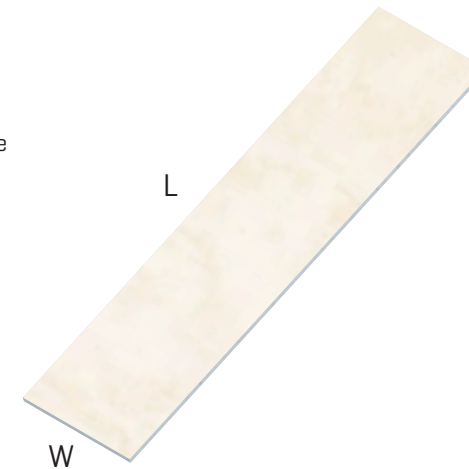
Exclusion of the implied warranties may not apply in certain jurisdictions.

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 ⁻⁵ in/in F ⁰	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

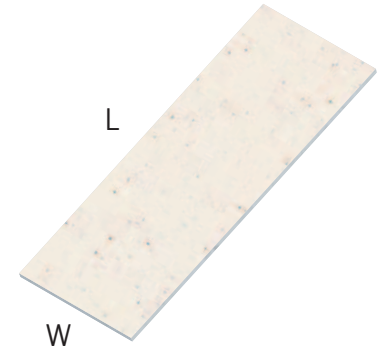
Solid, Sanded,
Aspen, Pebble,
Quarry, Metallic,
Tempest, Supreme



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"]

- Bright White with a wider width is available. Width of 1350mm with thickness of 12mm and 930mm with thickness of 9mm and 12mm are available.
- Panel thicknesses of 9mm and 19mm available on request.
- 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

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