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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.

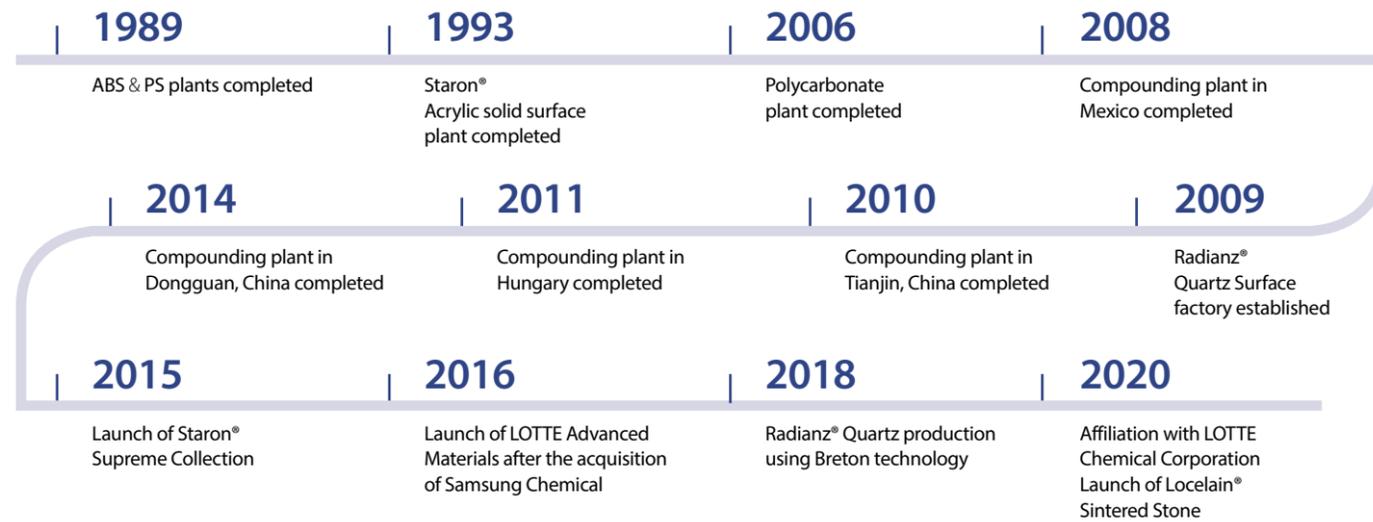
In 1992, the company commenced the manufacture of acrylic solid surface products marketed under the “Staron” brand, followed by the introduction of the Tempest Collection launched in 2006. The Samsung Group further expanded its decorative surfaces portfolio by introducing Radianz® Quartz Surfaces in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

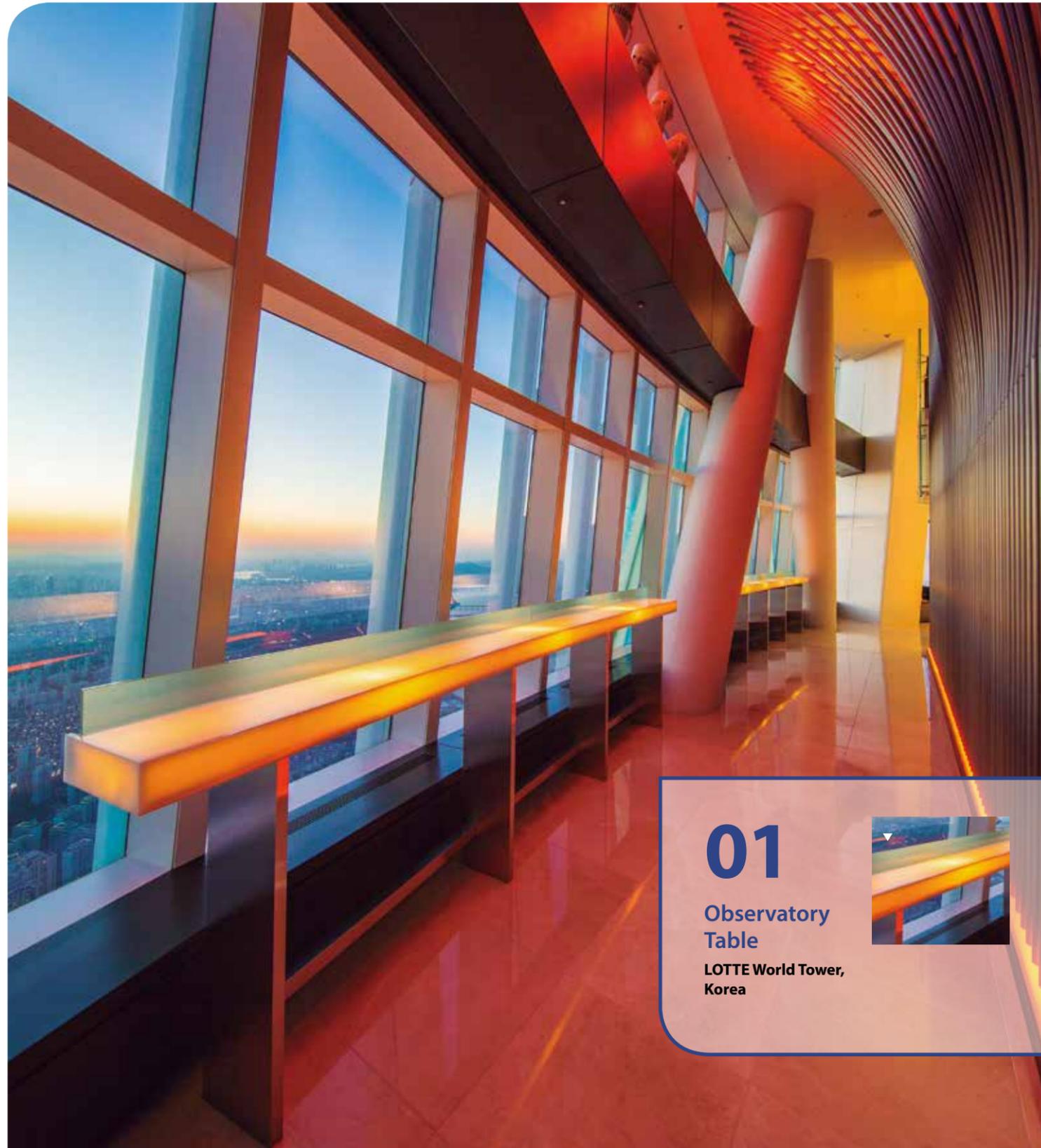


RELIABLE QUALITY

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

COMMERCIAL & PUBLIC SPACES

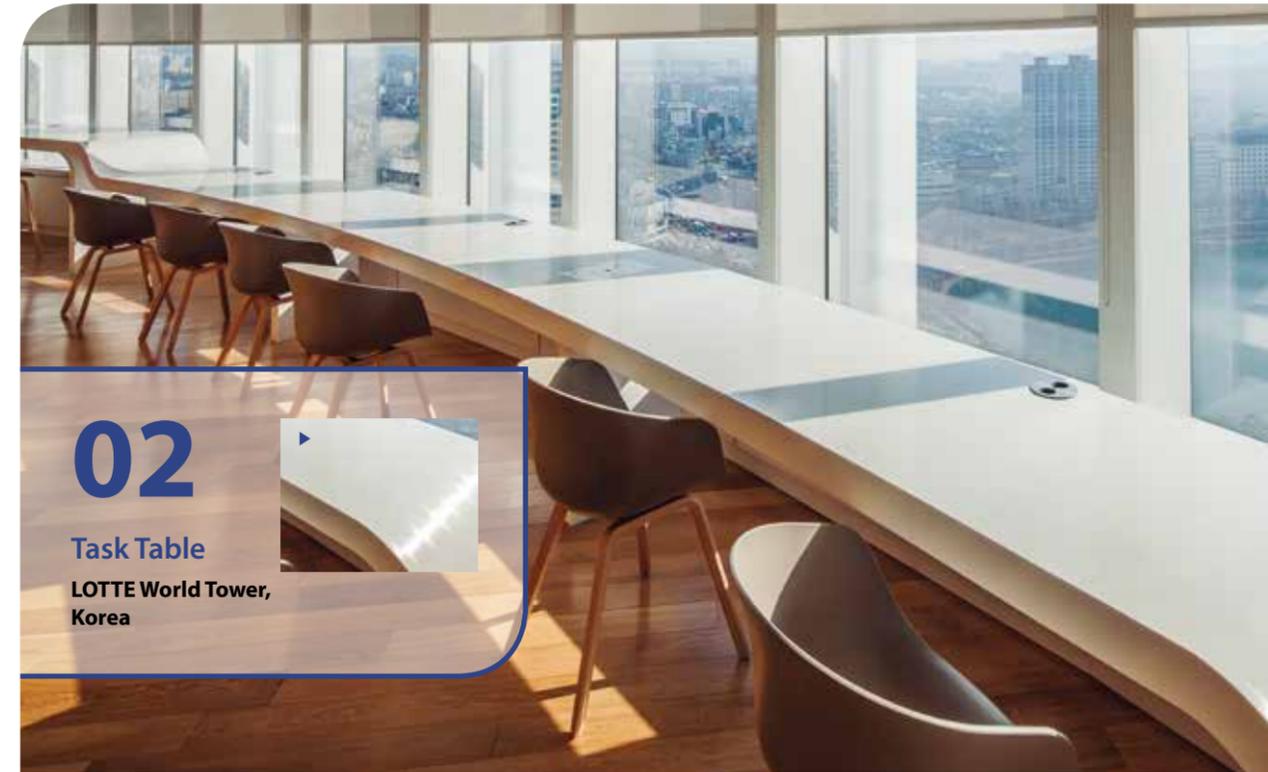
Staron® solid surfaces provide a seamless and ultra-hygienic element to any residential and commercial area. Pure and neutral solid-colors, such as Staron® Bright White, add a modern and contemporary finish to an interior space.



01

Observatory
Table

LOTTE World Tower,
Korea



02

Task Table

LOTTE World Tower,
Korea



03

Bench

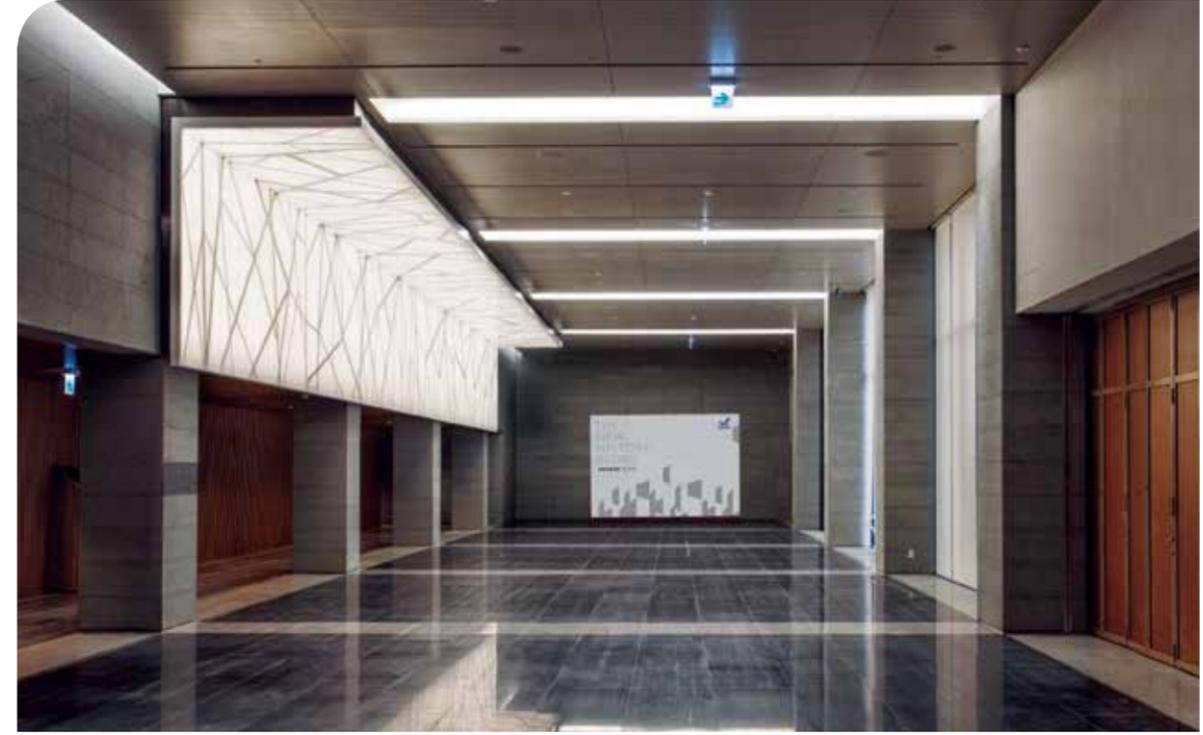
LOTTE World Tower,
Korea





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

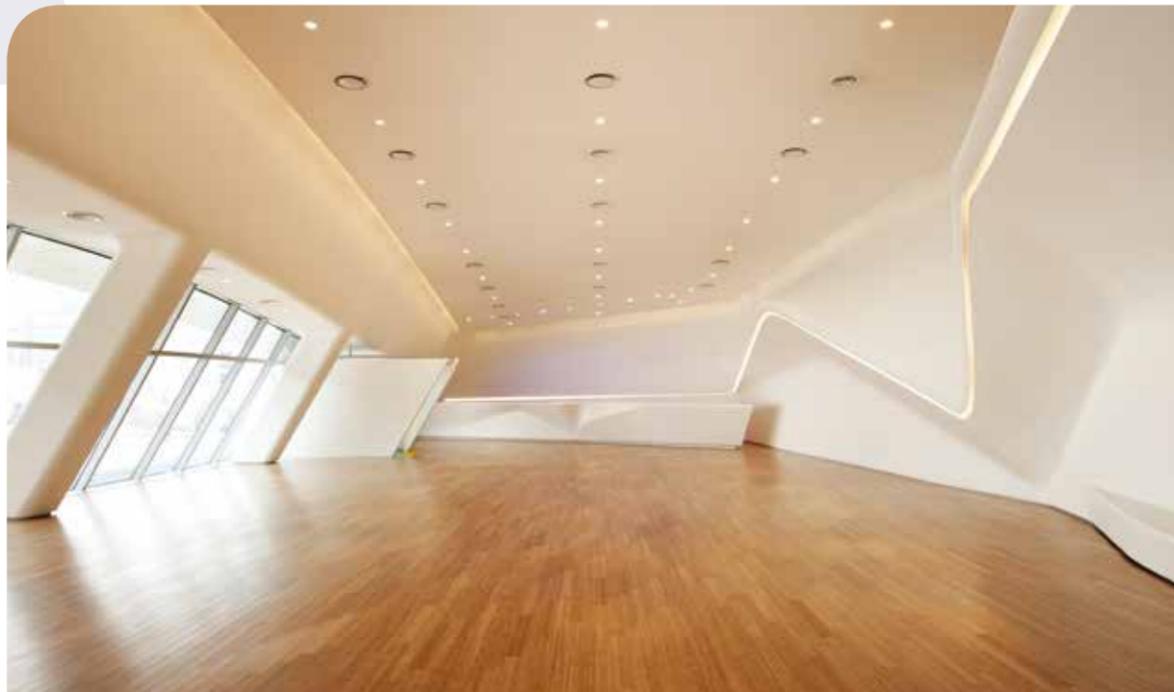
Samsung HR Development Center, Korea



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

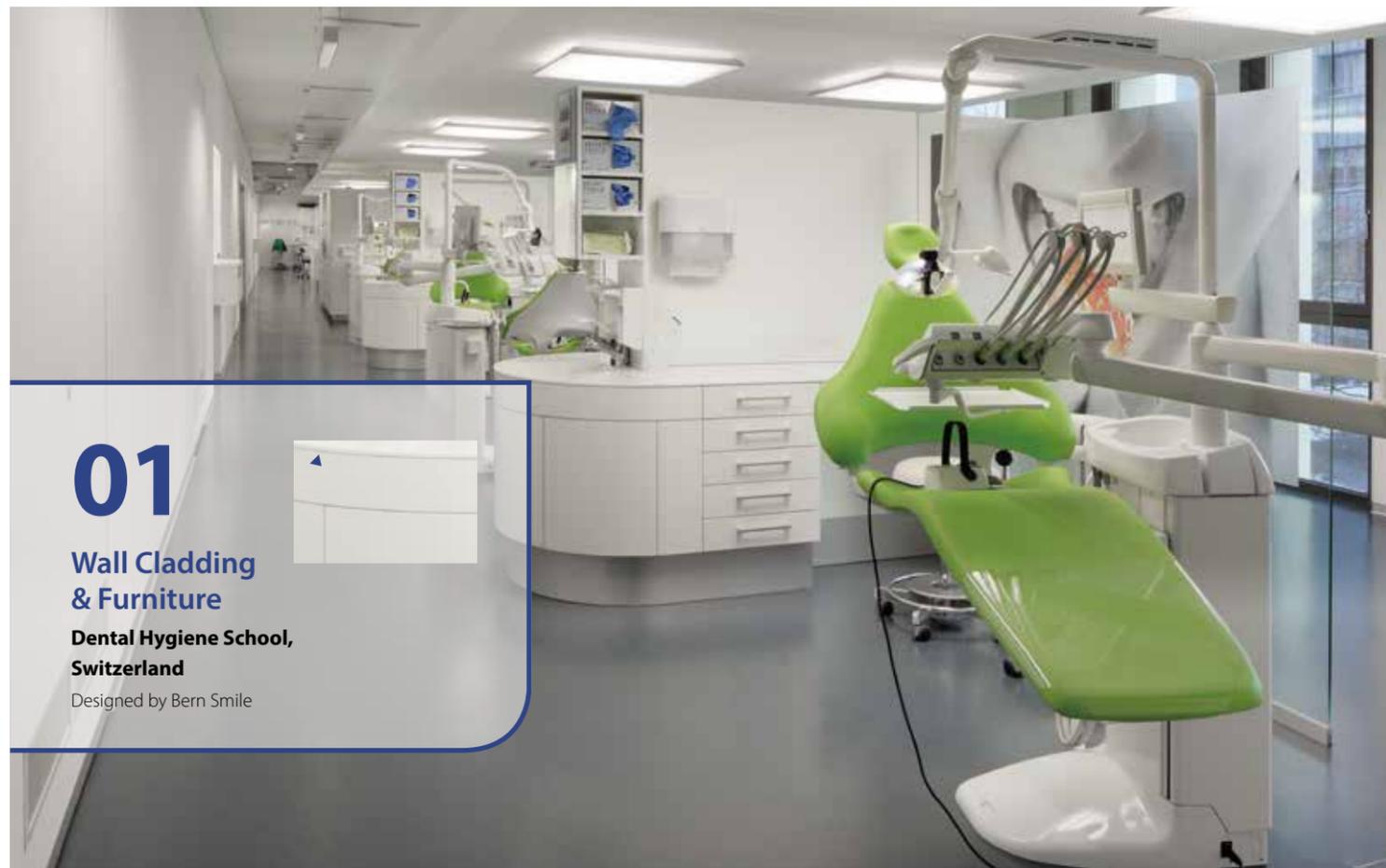
Wash Bowl
Marriott
Renaissance
Hotel
Barcelona,
Spain

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

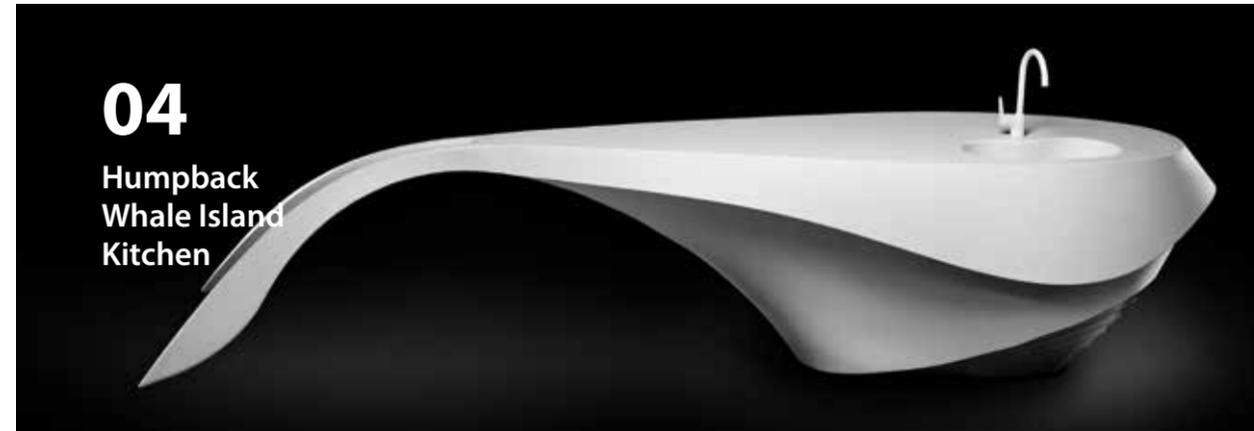
Think beyond your imagination with the colorful assortment of patterns offered by the unique properties of Staron® solid surfaces. With colors ranging from solids to dazzling metallics, Staron® can accommodate a multitude of design options.



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



ANTI-MICROBIAL

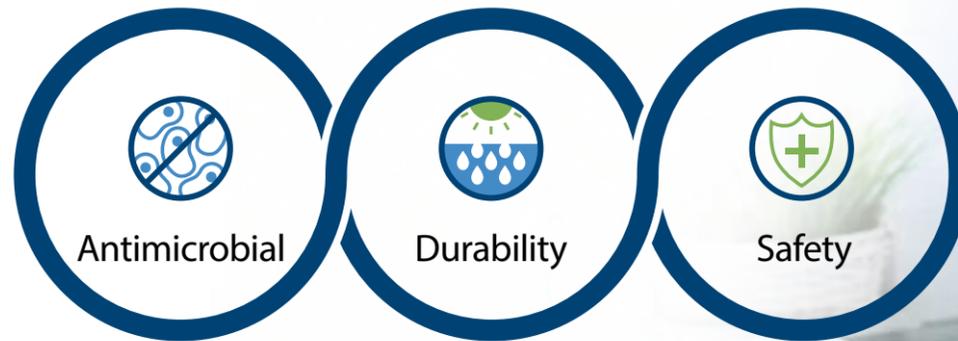
Anti-microbial surface that limits bacteria growth in hygienically demanding environments

staron® evermoin®

The healthiest choice for your design

Staron® anti-microbial surfaces, evermoin® can be applied to almost any interior space within a healthcare facility. Imagine casework, work stations, and wall-cladding in a functional material that is both durable and ultra-hygienic. Achieve the perfect blend of simplicity and performance in an anti-microbial surface engineered for a healthier life.

Benefit of evermoin®



Speedy antibacterial effect and action on representative bacteria and fungi

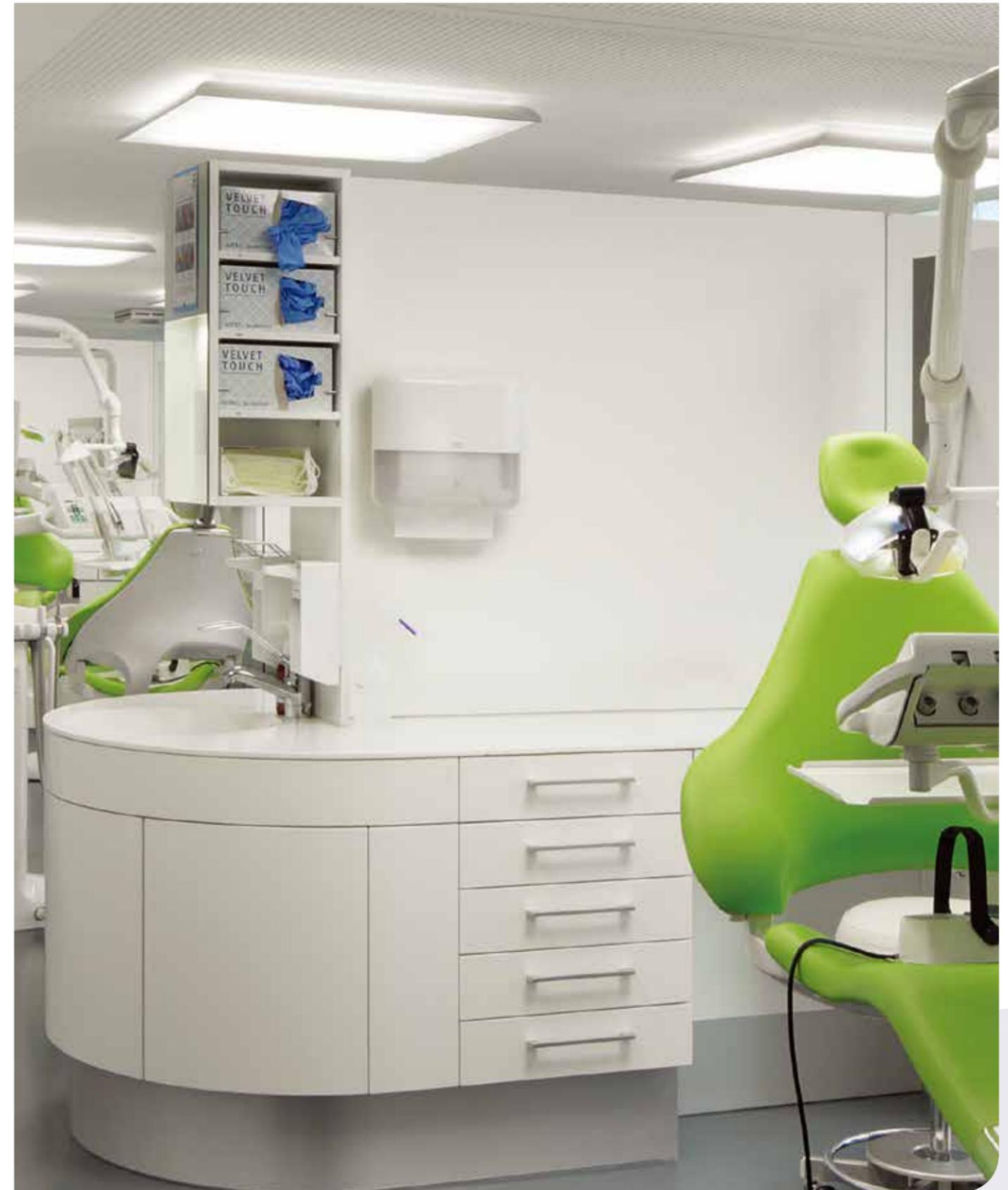
Excellent antimicrobial retention and Confirm quality stability and durability

Material certification harmless to human body and environment (NSF, FDA)



Product information

Dimension :
L.3680 × W.760 × 12T (mm)
L.2500 × W.760 × 6T (mm)



SUPER FLEX

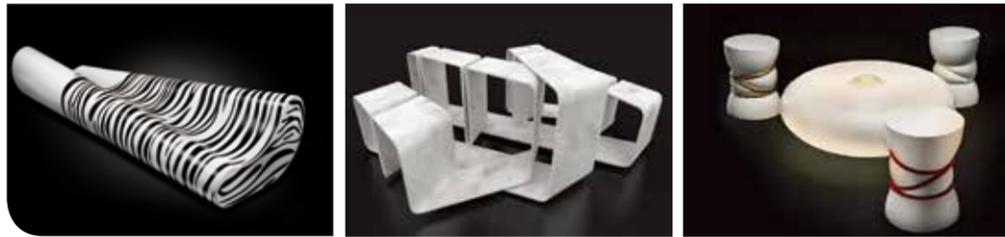
Specialized Formula for Dramatic Curves & Design

Why choose Staron® Super Flex?

Staron® Super Flex allows for more dramatic curves and flexibility to achieve high-performance applications in all commercial, residential and public space projects. Meet the new Staron innovation to design your new futuristic and functional space.

HIGH ELONGATION

- The elongation rate of Staron® Super Flex is two times higher than that of existing Staron®.
- Staron® Super Flex can be used for architectural and interior applications, such as high-performance wall-cladding or kitchen, bathroom and furniture surfaces.



TIME-SAVING

- Staron® Super Flex can be thermoformed at lower temperature and in shorter heating time compared to the thermoforming process of existing Staron®.

Product	Oven Temp.	Time	Folding limit (Radius)
Staron Solid Grade (12T)	302°F(150°C)	45~80 min	2" (50mm)
Staron Super Flex (12T)	284°F(140°C) 302°F(150°C)	20~30 min 15~30 min	0" (0mm)



STARON® SUPER FLEX



Infinity IF188
L.760 × W.3,680 × 12T (mm)

FLAME RETARDANT

Flame-retardant surface for any ship & boat interiors

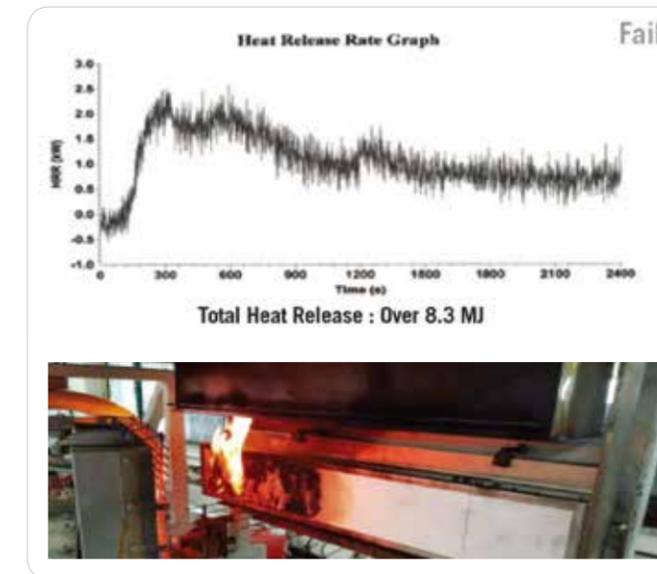
Perfect material certified for shipbuilding

Staron® Pharos has a MED (Marine Equipment Directive) certification in accordance with the IMO (International Maritime Organization) regulations. While most shipbuilding materials are sensitive to heat and fire, see how Staron® Pharos meets not only the flammability standards but also your aesthetic demands.

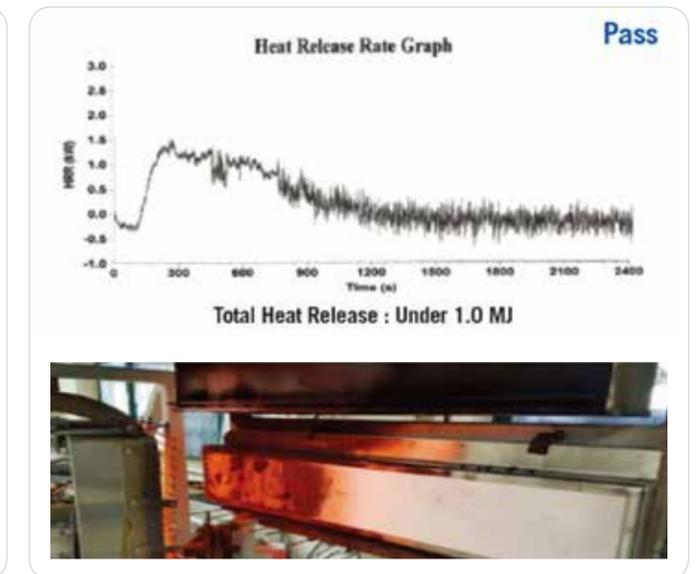
FLAME-RETARDANT TEST RESULT

Total heat release of FR grade is 1/8. (Harder to burn)

Solid Surface



Staron® Solid Surface FLAME RETARDANT - PHAROS



IMO Res. MSC.307(88)
(2010 FTP Code)



STARON® FLAME-RETARDANT



Pharos GP111
L.760 × W.3,680 × 12T (mm)



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.

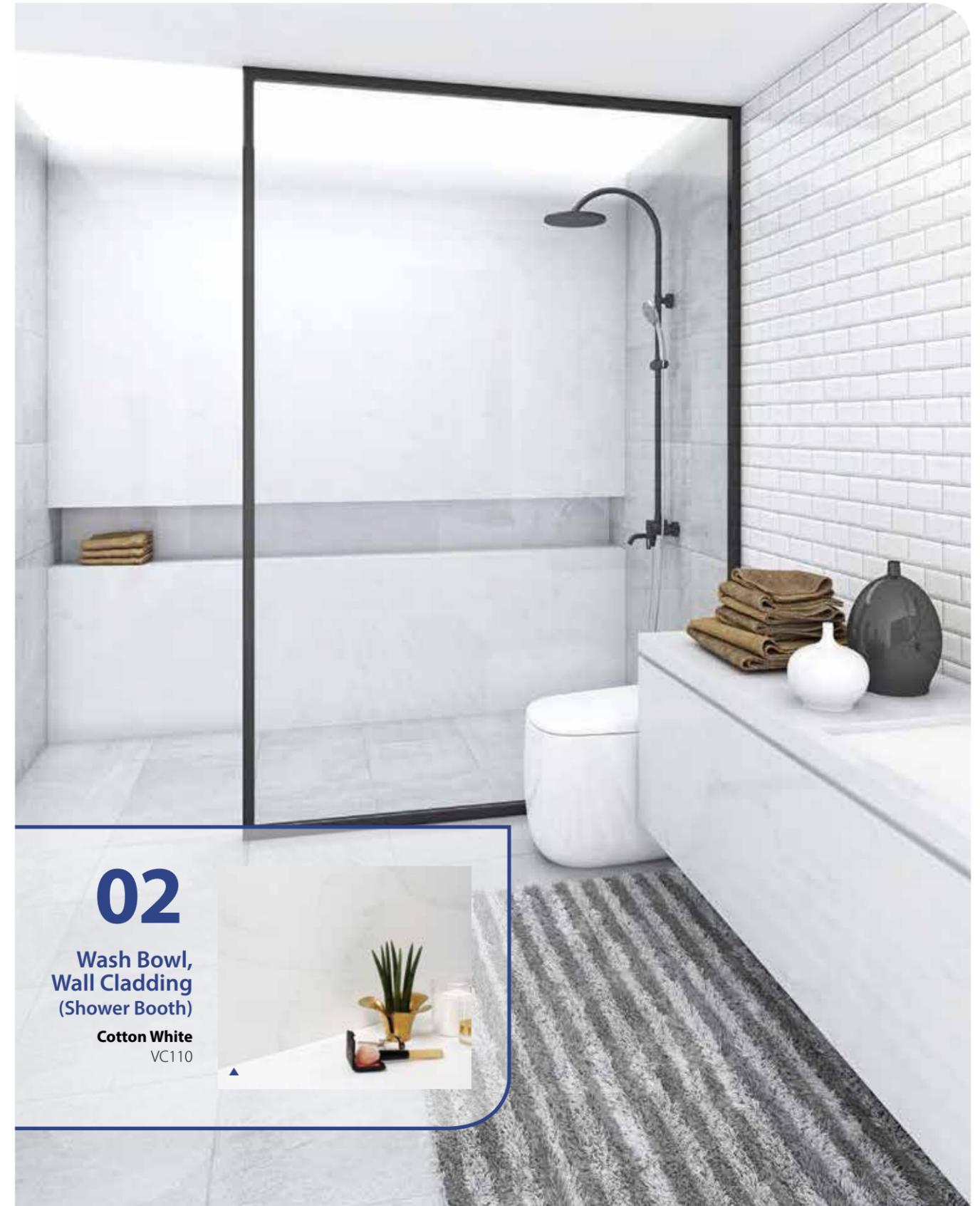
Nature's Art & Movement



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

Flux
VF113

Terrazzo Venezia
NT150

Tranquil
VT115

Noir Concrete
VN180

Pharos 
GP111

Infinity 
IF188

Ash Concrete
VA129

evermoIn
Limpio
ML612

COLORS OF STARON

SUPREME



Cotton White VC110



Morning Sky VM114



Beige Granite VB172



Urban Grey VU127



Delphi VD111



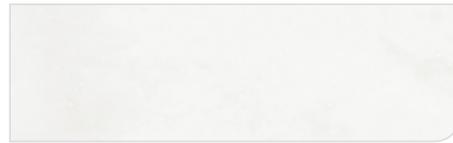
Ocean View VO171



Cloudbank VC118



Reno VR184



Tranquil VT115 **NEW**



Flux VF113 **NEW**



Magnolia VM143



Natural Bridge VN144



Dandelion VD175



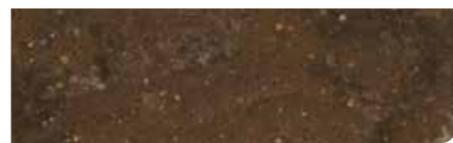
Pastoral VP177



Dawn VD126



Ash Concrete VA129 **NEW**



Loam VL155



Concerto VC157



Noir Concrete VN180 **NEW**



Presto VP159

TEMPEST



Meteor FM111



Polar FP111



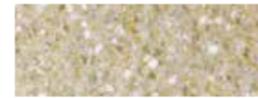
Coconut FC112



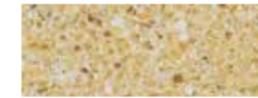
Twilight FT113



Bamboo FB173



Prairie FP142



Rattan FR124



Caraway FC155



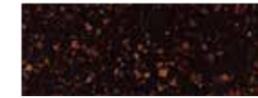
Silvercloud FS122



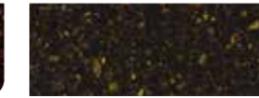
Glimmer FG144



Bronzestar FB154

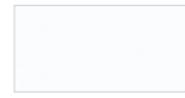


Radiance(Shimmer) FR148



Gold Leaf FG196

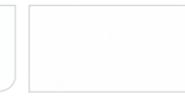
SOLID



Quasar White SQ019



Bright White BW010



Pure White SP016



Dazzling White SD001



Pearl SP011



Natural SV041



Ivory SI040



Fog SF020



Serene SS023



Iris SI056



Sunflower(N) SS042



California Poppy(N) SC052



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 Papyrus SP474



Sanded Clay SC475



Sanded Mocha SM453



Sanded Chestnut SC457



Sanded Dover SD413



Sanded White Pepper WP410



Sanded Grey SG420



Sanded Heron SH428



Sanded Tundra ST482



Sanded Taupe ST486



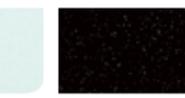
Sanded Dark Nebula DN421



Sanded Meadow SM465

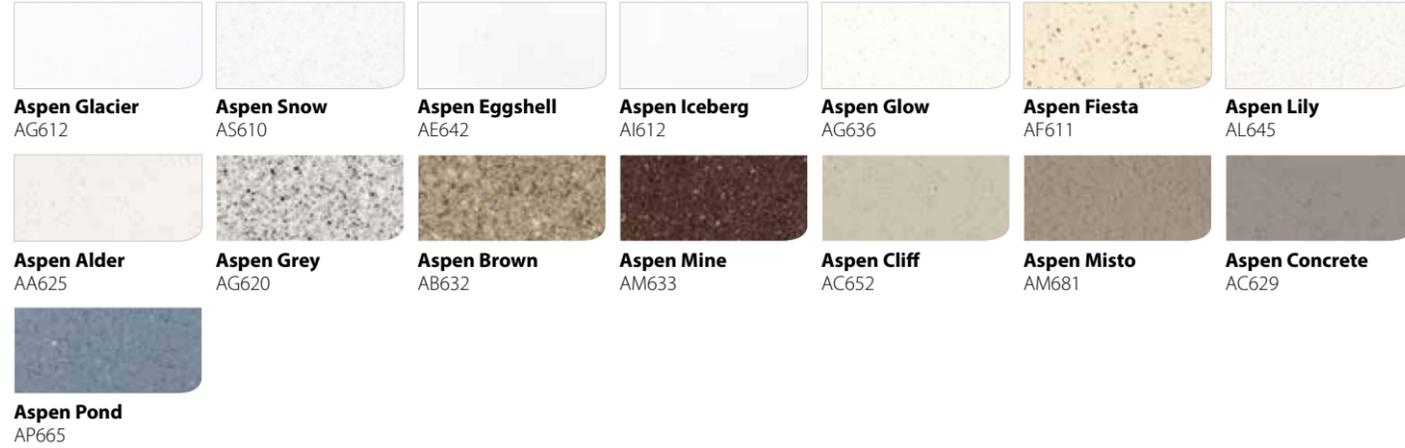


Sanded Mint SM463



Sanded Onyx SO423

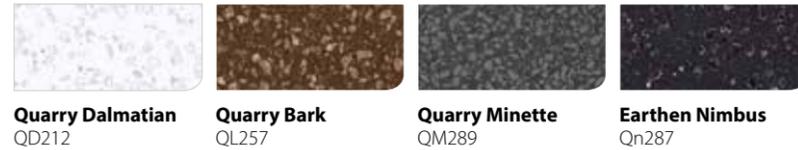
ASPEN



PEBBLE



QUARRY



CRYSTAL



TERRAZZO



FUNCTIONAL PRODUCTS

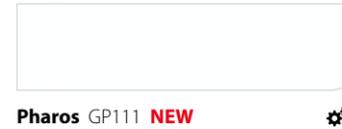
EVERMOIN (ANTI-MICROBIAL)



SUPER FLEX



FLAME RETARDANT



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

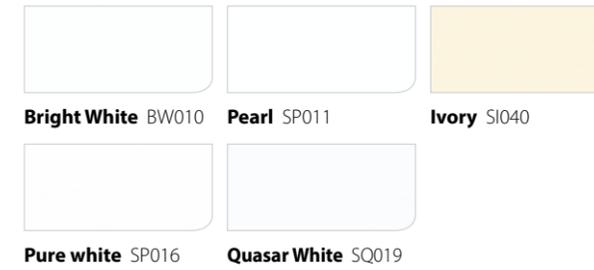
- These colors may require extra care and maintenance; consult with your Staron processor for the best use of these colors.
- ⚙️ Functional Product



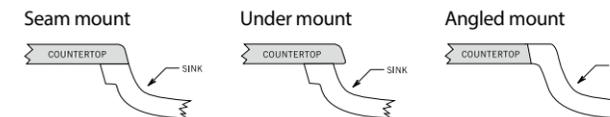
SINKS & BOWLS

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 five following colors in ten popular models:

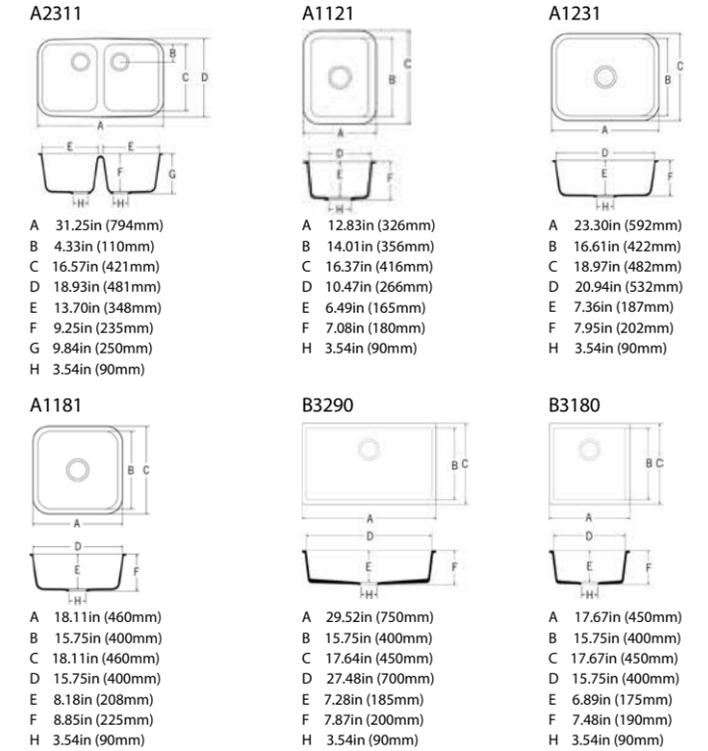
COLOR OPTIONS



MOUNTING OPTIONS



LAVATORY SINKS / BASINS



PERFORMANCE PROPERTIES

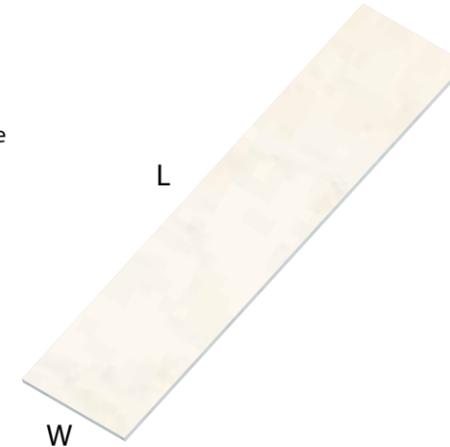
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PROPERTY	TEST RESULT	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.5%	ASTM D 638
Hardness	92 Rockwell "M" Scale 65 Barcol impressor	ASTM D 785 ASTM D 2583
Thermal expansion	2.0x1.0 ⁻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

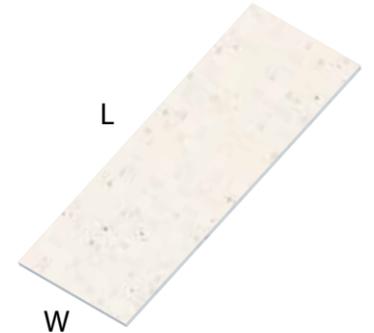
Solid, Sanded,
Aspen, Pebble,
Quarry, Metallic,
Tempest, Supreme



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

COLLECTION

Solid, Sanded,
Aspen, 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

DISCLAIMER

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