



LOTTE CHEMICAL CALIFORNIA INC.
www.staron.com

SOLID SURFACES STARON

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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.

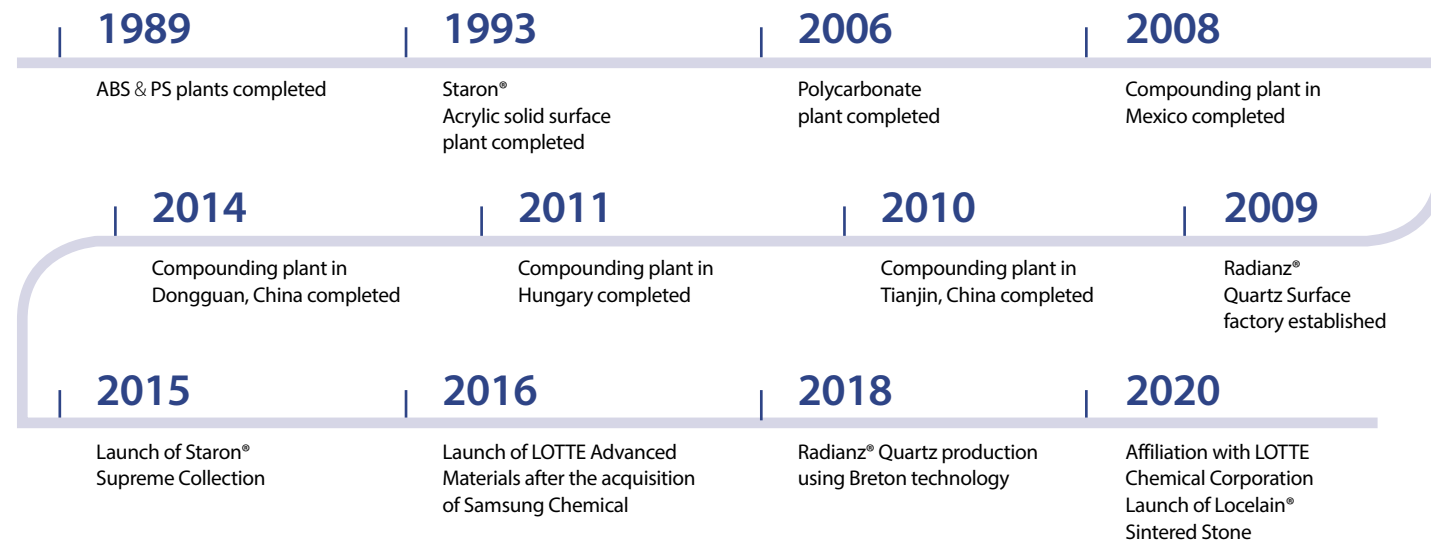
In 1992, the company commenced the manufacture of acrylic solid surface products marketed under the “Staron” brand, followed by the introduction of the Tempest Collection launched in 2006. The Samsung Group further expanded its decorative surfaces portfolio by introducing Radianz® Quartz Surfaces in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

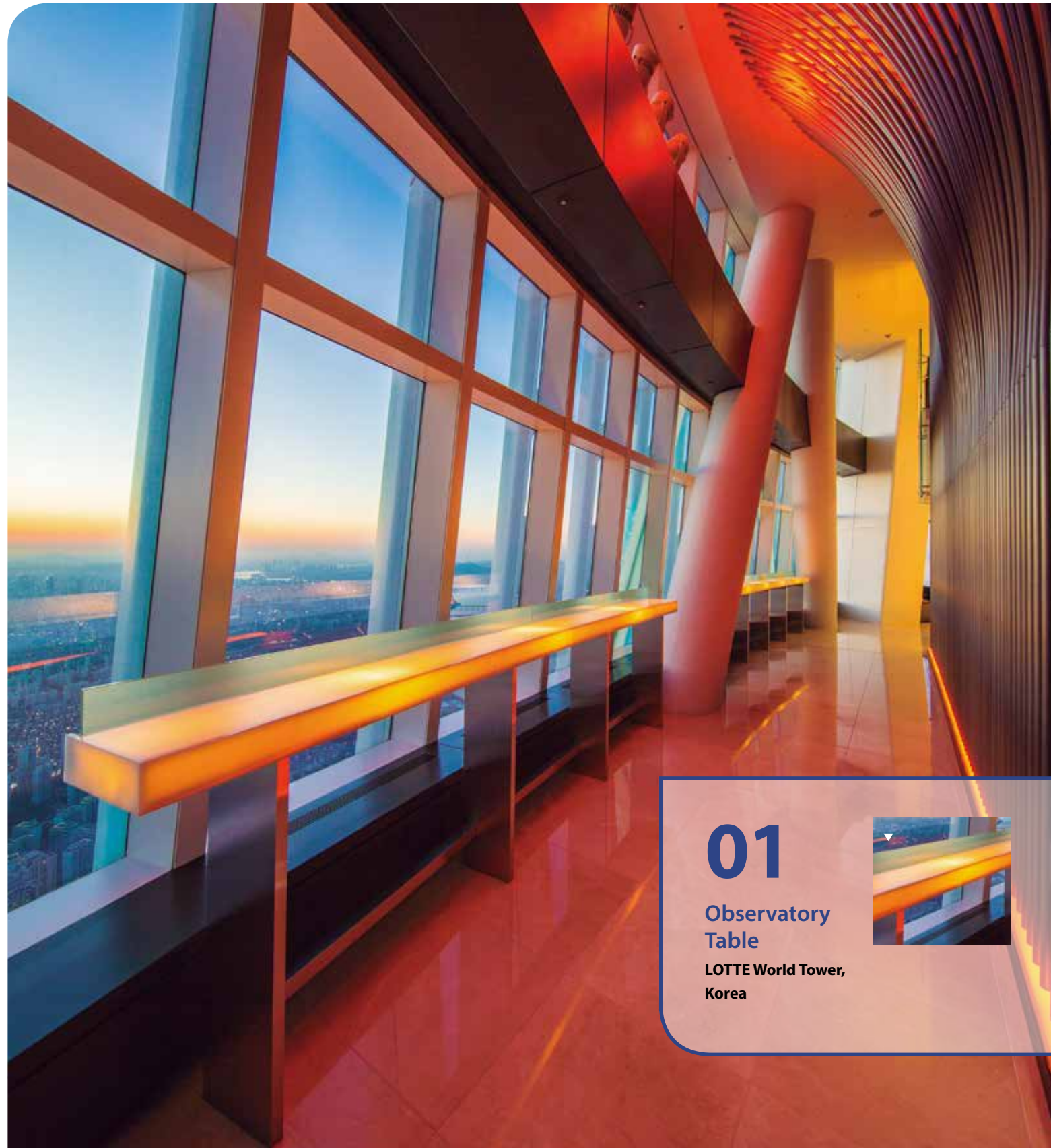


RELIABLE QUALITY

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

COMMERCIAL & PUBLIC SPACES

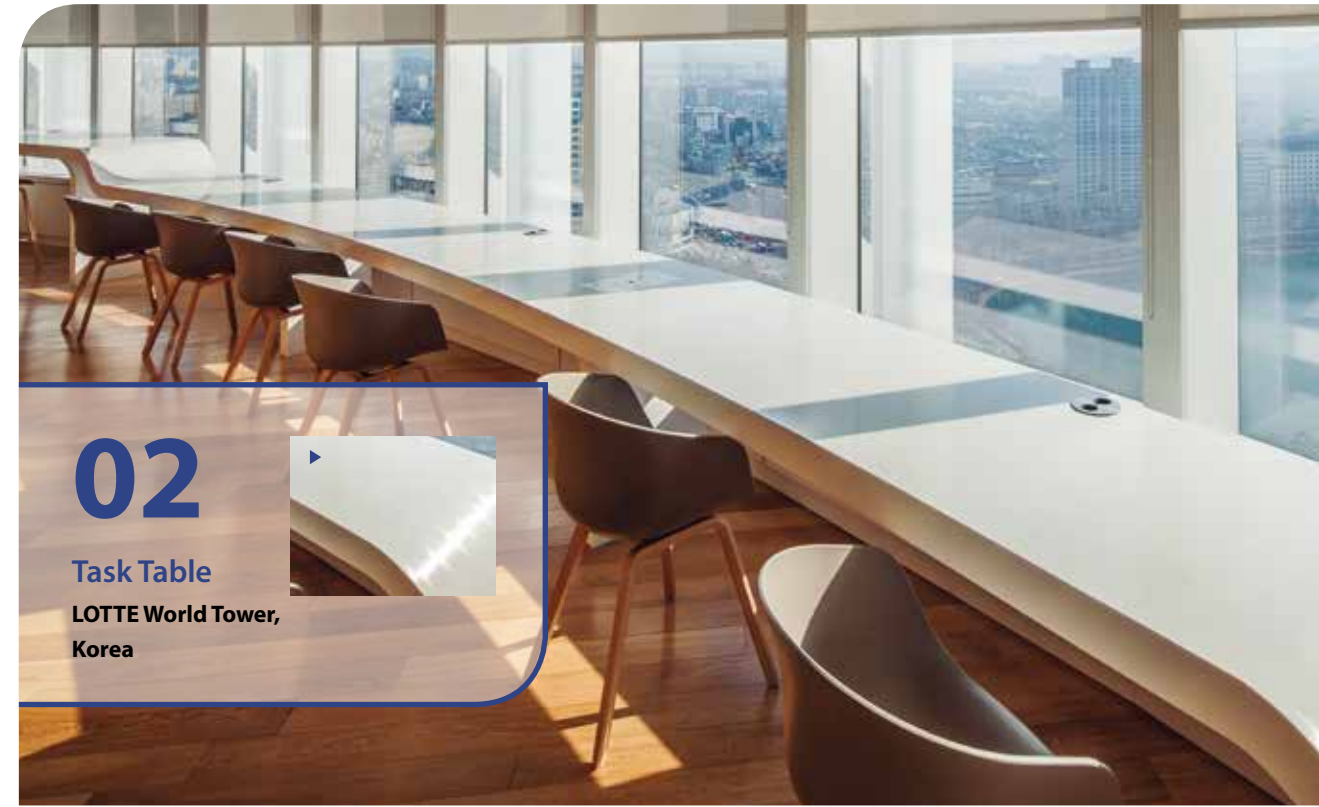
Staron® solid surfaces provide a seamless and ultra-hygienic element to any residential and commercial area. Pure and neutral solid-colors, such as Staron® Bright White, add a modern and contemporary finish to an interior space.



01

Observatory Table

LOTTE World Tower,
Korea



02

Task Table

LOTTE World Tower,
Korea

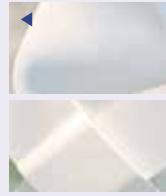


03

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

Display
Structure
Wall
LOTTE World
Tower, Korea



10

Display
Standard
Heidi.com
Shop,
Switzerland

Designed by
Zaha Hadid
Architect



09

Wall
Covering
DDP Sky
lounge, Korea



11

Exhibition
Fixtures
Samsung HR
Development
Center, 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.

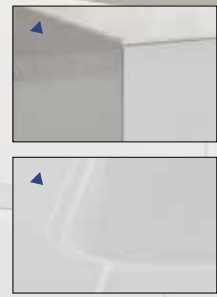


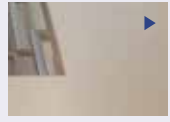
01

Kitchen
Countertop

Interior Furniture,
Australia

Designed by Darren James





02

Kitchen Countertop

**Kitchen in the
house A and S,**

Designed by
Recker Architekten
(Holzwerkstatt
WINTER)



04

Kitchen Countertop

**SUBZERO
Showroom,
Indonesia**



03

Kitchen Island

**Aarau,
Switzerland**

Designed by
Lamkli
Architecture



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

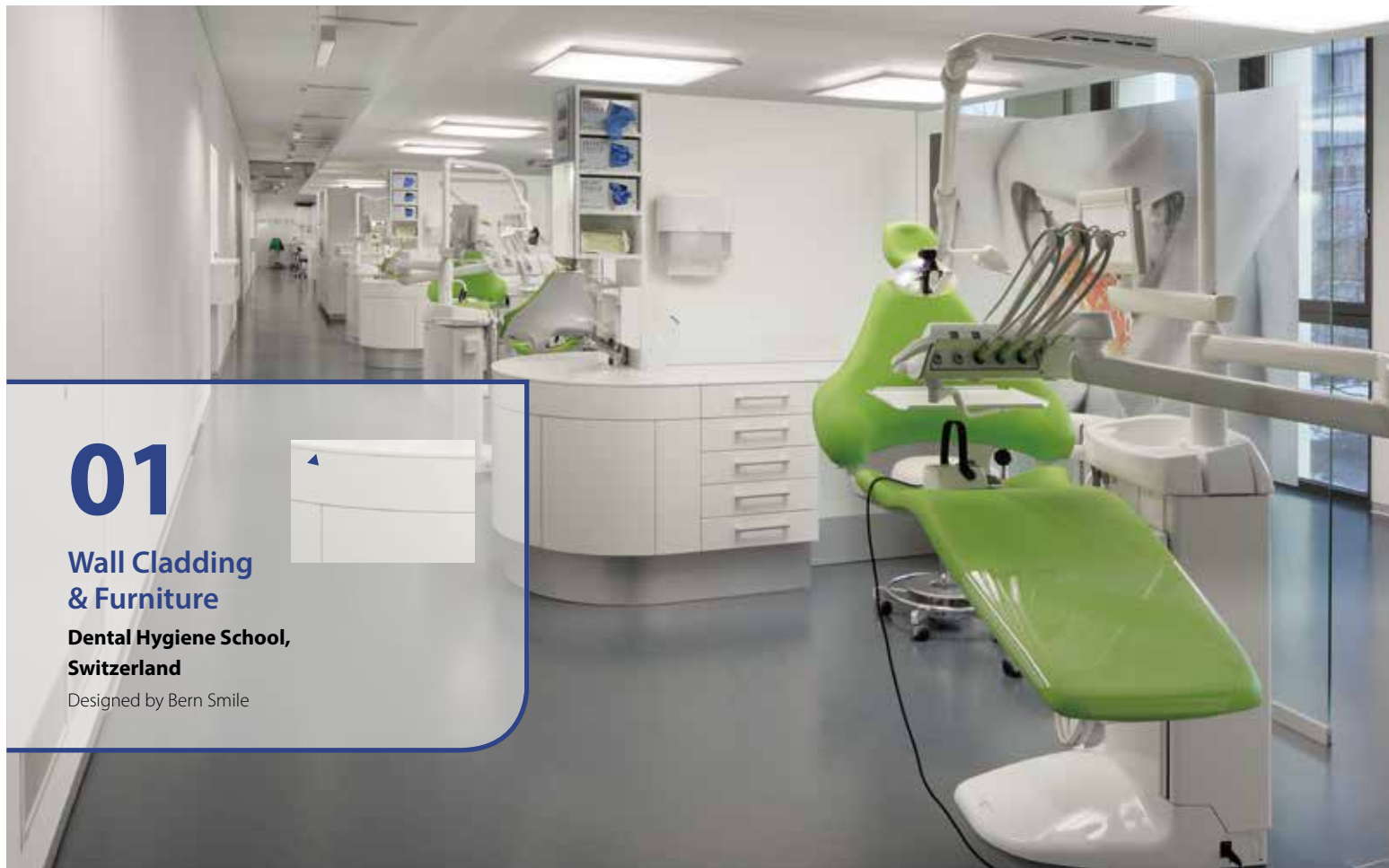
Wash Bowl
Marriott
Renaissance
Hotel
Barcelona,
Spain

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, 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

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.



URBAN SERIES PROPOSAL

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

1. Urban Outlook Contrast / Brilliant & Essential / Texture



2. Effortless Beauty Sleek / Neutral / Contemporary



FACADE SOLUTION

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

1. Seamless Joint



2. Dimensional Flexibility



3. CNC Fabrication



4. Lighting Effect



Supreme™

THE SUPREME COLLECTION

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

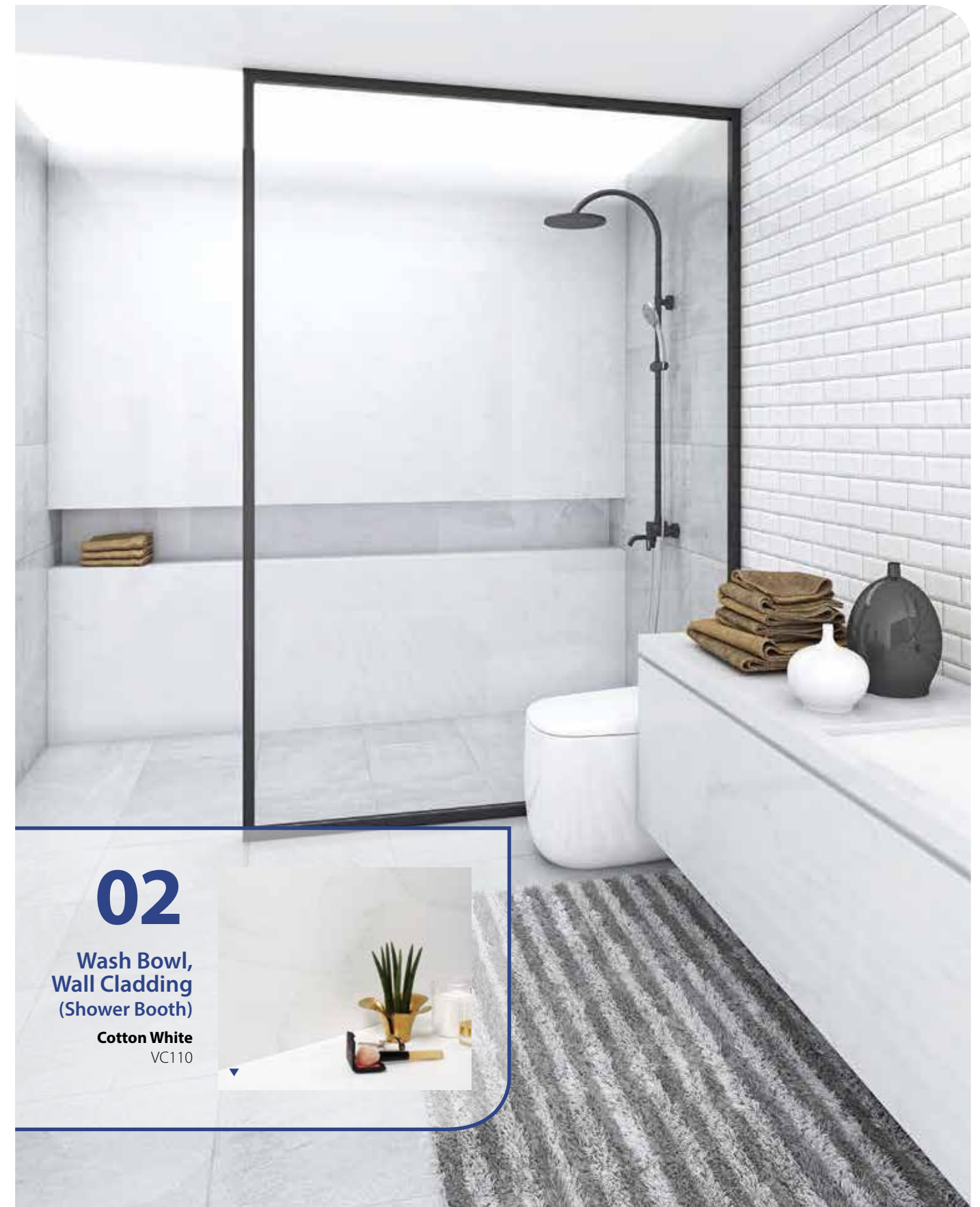
Nature's Art & Movement



01

Kitchen Countertop

Morning Sky VM114



02

Wash Bowl, Wall Cladding (Shower Booth)

Cotton White
VC110





03
Kitchen
Countertop
Ocean View
VO171



04
Information Desk
Cloudbank VC118



06
Information Desk
Magnolia VM143



05
Kitchen
Countertop
Dandelion
VD175



07
Kitchen
Countertop
Natural Bridge
VN144



08
Kitchen Countertop
Urban Grey VU127

NEW COLORS

Noir Concrete
VN180

Tranquil
VT115

Flux
VF113

Terrazzo Venezia
NT150

Ash Concrete
VA129

COLORS OF STARON

SUPREME



Cotton White VC110



Morning Sky VM114



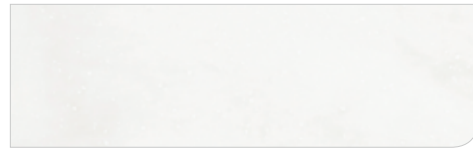
Beige Granite VB172



Urban Grey VU127



Delphi VD111



Tranquil VT115 **NEW**



Ocean View VO171



Cloudbank VC118



Reno VR184



Rainier VR173



Magnolia VM143



Flux VF113 **NEW**



Natural Bridge VN144



Elbert VE111



Dandelion VD175



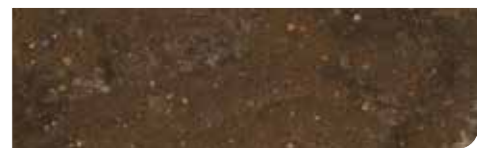
Dawn VD126



Ash Concrete VA129 **NEW**



Pastoral VP177



Loam VL155



Noir Concrete VN180 **NEW**



Presto VP159

TEMPEST



Peak FP100



Confection FC116



Coconut FC112



Horizon FH114



Bamboo FB173



Shell FS115



Prairie FP142



Rattan FR124



Caraway FC155



Glimmer FG144



Whippoorwill FW145



Bronzestar FB154



Coffee Bean FC158



Radiance(Shimmer)
FR148



Igneous FI187

SOLID



Quasar White SQ019



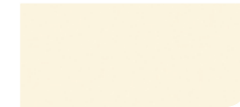
Bright White BW010



Pure white SP016



Pearl SP011



Ivory SI040



Serene SS023



Sunflower(N) SS042



Univers(N) SU053



Onyx ON095

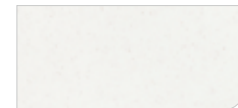
SANDED



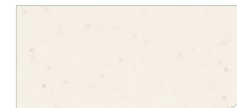
Sanded Icicle SI414



Sanded Birch SB412



Sanded Cream SM421



Sanded Linen SL443



Sanded Sahara SS440



Sanded Gold Dust SG441



Sanded Vermillion SV430



Sanded Cornmeal SC433



Sanded Papyrus SP474



Sanded Clay SC475



Sanded Mocha SM453



Sanded Chestnut SC457



Sanded White Pepper WP410



Sanded Grey SG420



Sanded Tundra ST482



Sanded Taupe ST486

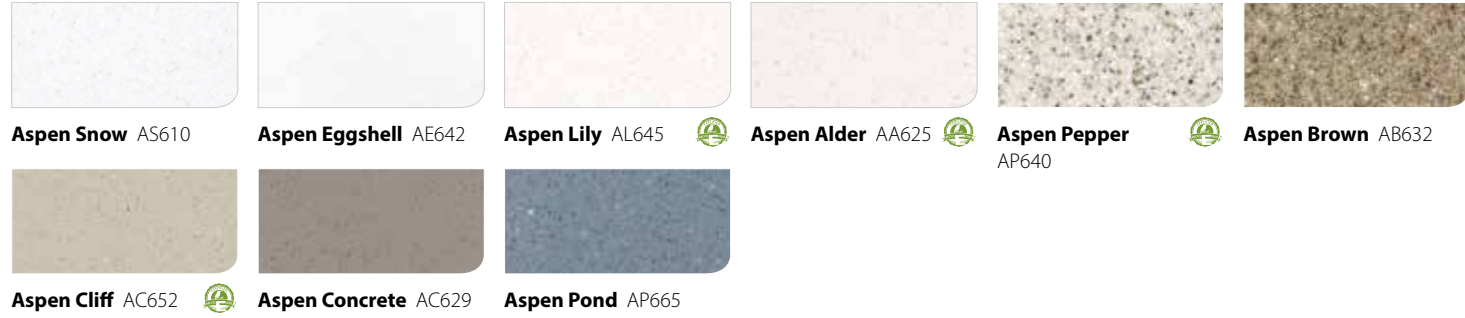


Sanded Meadow SM465

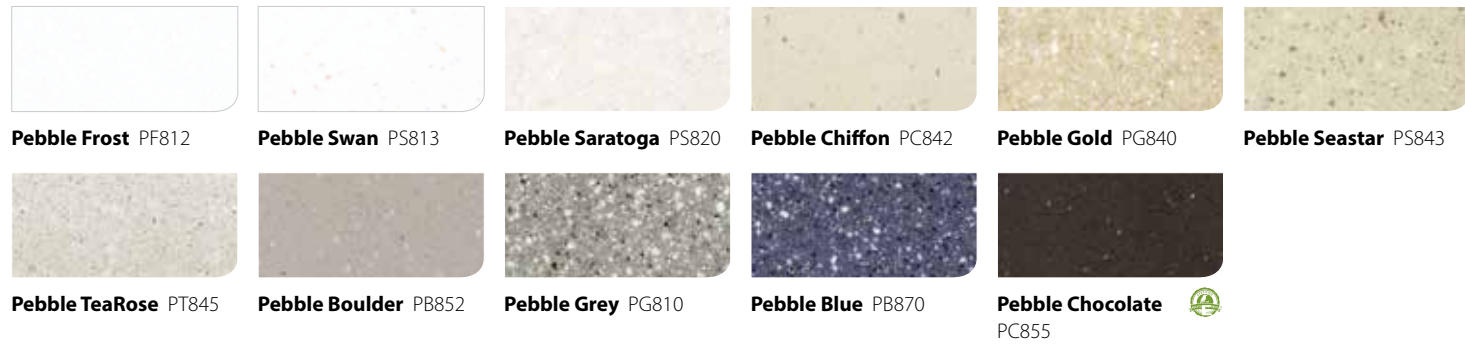


Sanded Onyx SO423

ASPEN



PEBBLE



QUARRY



TERRAZZO



METALLIC



Eco-Friendly Materials, Staron

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



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



SINKS & BOWLS

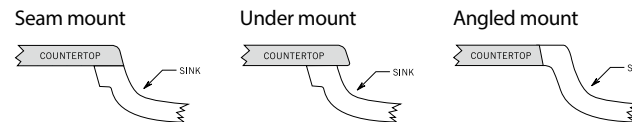
ADA Compliant

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

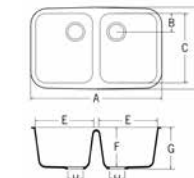


MOUNTING OPTIONS



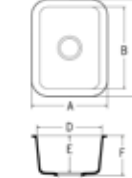
Sink

A2311



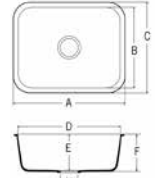
- A 31.25in (794mm)
- B 4.33in (110mm)
- C 16.57in (421mm)
- D 18.93in (481mm)
- E 13.70in (348mm)
- F 9.25in (235mm)
- G 9.84in (250mm)
- H 3.54in (90mm)

A1121



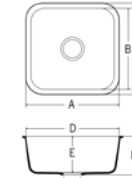
- A 12.83in (326mm)
- B 14.01in (356mm)
- C 16.37in (416mm)
- D 10.47in (266mm)
- E 6.49in (165mm)
- F 7.08in (180mm)
- H 3.54in (90mm)

A1231



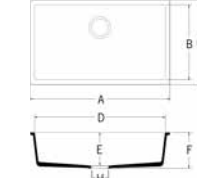
- A 23.30in (592mm)
- B 16.61in (422mm)
- C 18.97in (482mm)
- D 20.94in (532mm)
- E 7.36in (187mm)
- F 7.95in (202mm)
- H 3.54in (90mm)

A1181



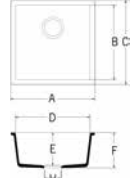
- A 18.11in (460mm)
- B 15.75in (400mm)
- C 18.11in (460mm)
- D 15.75in (400mm)
- E 8.18in (208mm)
- F 8.85in (225mm)
- H 3.54in (90mm)

B3290



- A 29.52in (750mm)
- B 15.75in (400mm)
- C 17.64in (450mm)
- D 27.48in (700mm)
- E 7.28in (185mm)
- F 7.87in (200mm)
- H 3.54in (90mm)

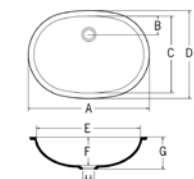
B3180



- A 17.67in (450mm)
- B 15.75in (400mm)
- C 17.67in (450mm)
- D 15.75in (400mm)
- E 6.89in (175mm)
- F 7.48in (190mm)
- H 3.54in (90mm)

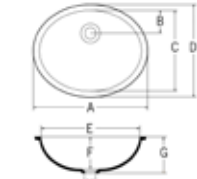
Bowl

A3211



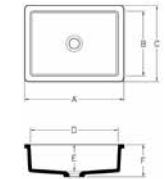
- A 21.57in (548mm)
- B 3.38in (86mm)
- C 14.01in (356mm)
- D 15.59in (396mm)
- E 20.00in (508mm)
- F 6.14in (156mm)
- G 6.81in (173mm)
- H 1.77in (45mm)

A3181



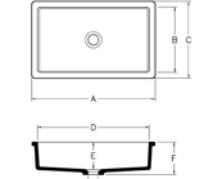
- A 18.18in (462mm)
- B 3.70in (94mm)
- C 13.22in (336mm)
- D 14.80in (376mm)
- E 16.61in (422mm)
- F 5.47in (139mm)
- G 6.14in (156mm)
- H 1.77in (45mm)

B3150



- A 16.81in (427mm)
- B 10.94in (278mm)
- C 12.87in (327mm)
- D 14.88in (378mm)
- E 4.57in (116mm)
- F 5.43in (138mm)
- H 1.77in (45mm)

B3190



- A 20.63in (524mm)
- B 10.98in (279mm)
- C 12.87in (327mm)
- D 18.66in (474mm)
- E 4.57in (116mm)
- F 4.57in (116mm)
- H 1.77in (45mm)

PERFORMANCE PROPERTIES

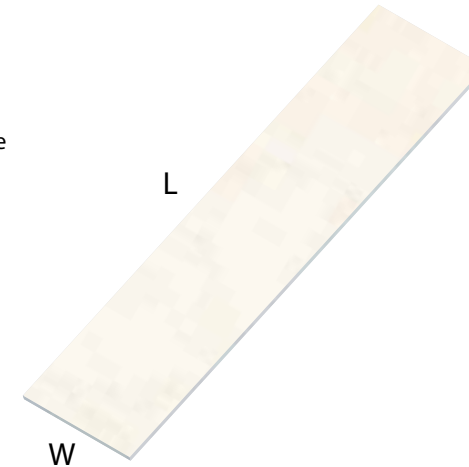
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PROPERTY	TEST RESULT	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.5%	ASTM D 638
Hardness	92 Rockwell "M" Scale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

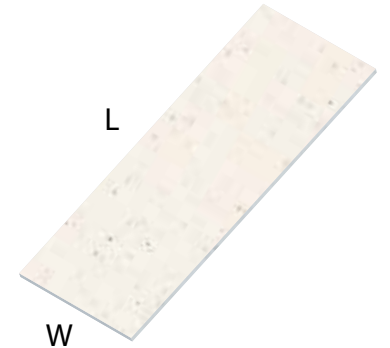
Solid, Sanded,
Aspen, Pebble,
Quarry, Metallic,
Tempest, Supreme



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 (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

DISCLAIMER

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