



LOTTE Chemical Deutschland GMBH

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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.

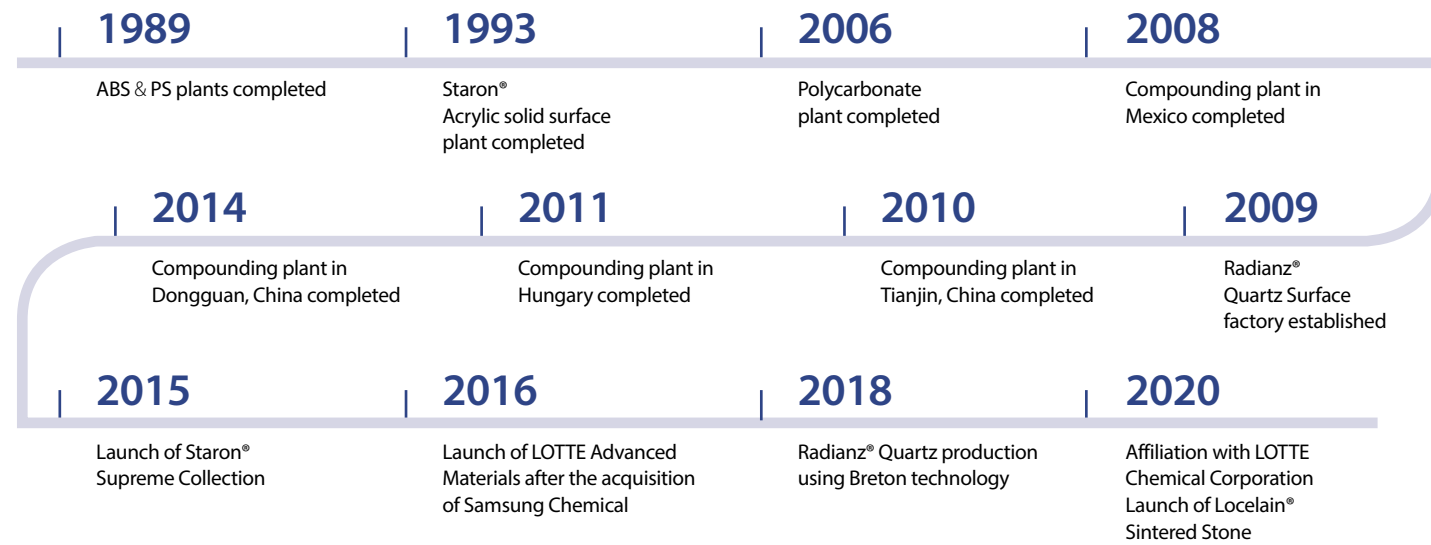
In 1992, the company commenced the manufacture of acrylic solid surface products marketed under the “Staron” brand, followed by the introduction of the Tempest Collection launched in 2006. The Samsung Group further expanded its decorative surfaces portfolio by introducing Radianz® Quartz Surfaces in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

- Over 150 colour options ranging from natural to vivid
- Ongoing collaboration with colour trend experts keeps Staron commercially relevant



IMPERCEPTIBLE SEAMS

- Consistent colour 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

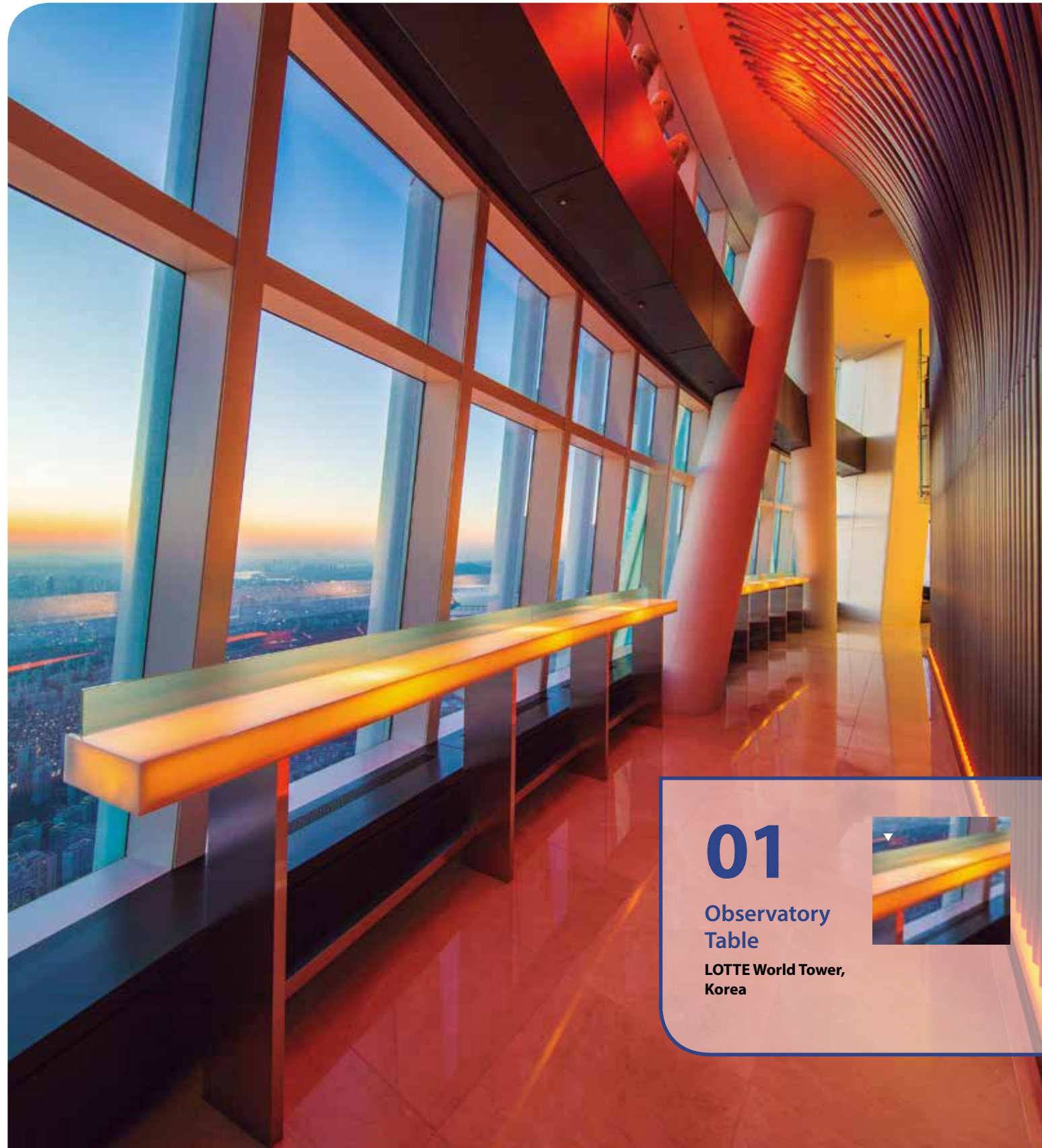


RELIABLE QUALITY

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

COMMERCIAL & PUBLIC SPACES

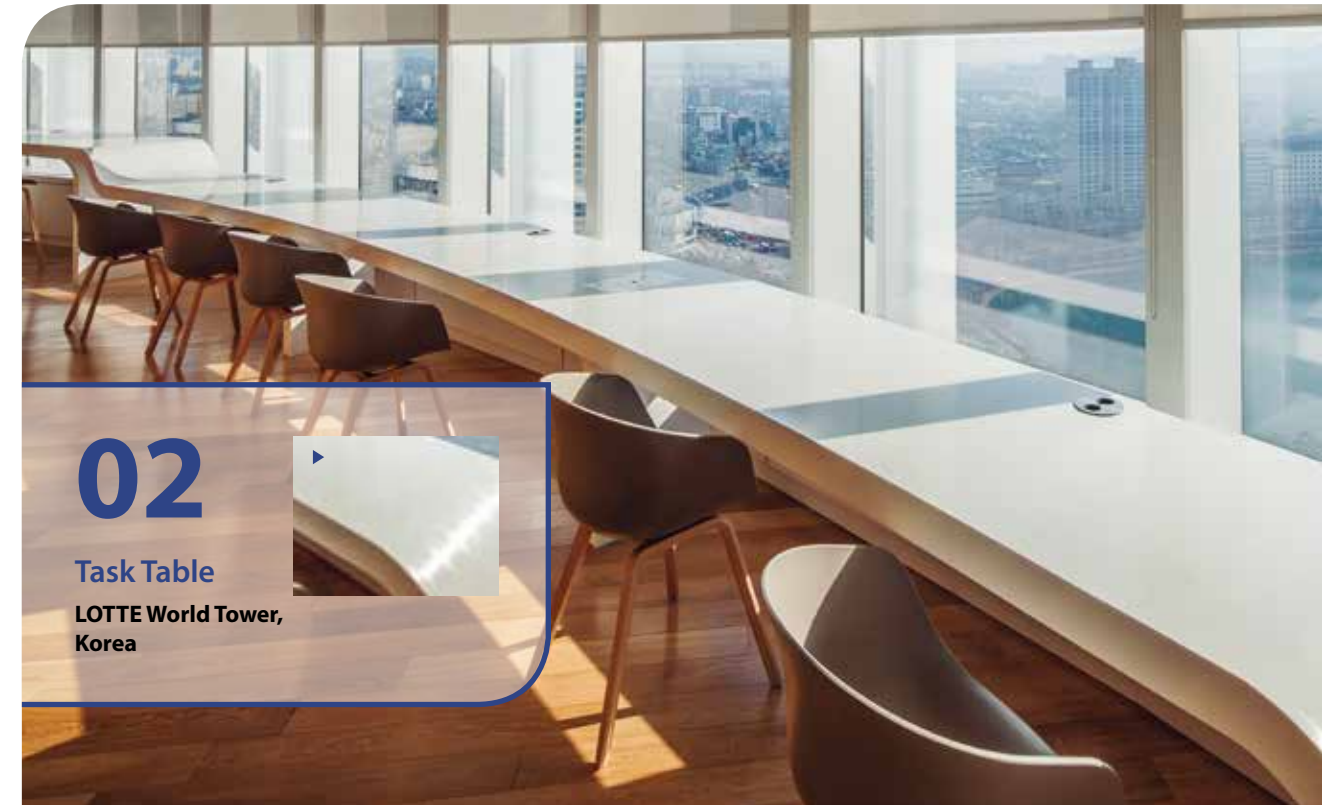
Staron® solid surfaces provide a seamless and ultra-hygienic element to any residential and commercial area. Pure and neutral solid-colours, such as Staron® Bright White, add a modern and contemporary finish to an interior space.



01

Observatory
Table

LOTTE World Tower,
Korea



02

Task Table

LOTTE World Tower,
Korea

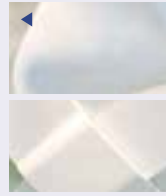


03

Bench

LOTTE World Tower,
Korea





04

**Display
Fixtures**
Stewart
Weitzman
Shoes Shop,
Greece



06

**Media
Facade**
Kumho
Art Hall,
Korea



05

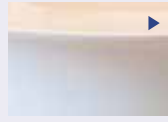
**Wall
Cladding**
Mumbai
Airport Lounge,
India



07

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





08

Reception Desk

New Vienna University, Austria

Designed by Zaha Hadid Architect

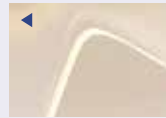


10

Display Standard

Heidi.com Shop, Switzerland

Designed by Zaha Hadid Architect



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,
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

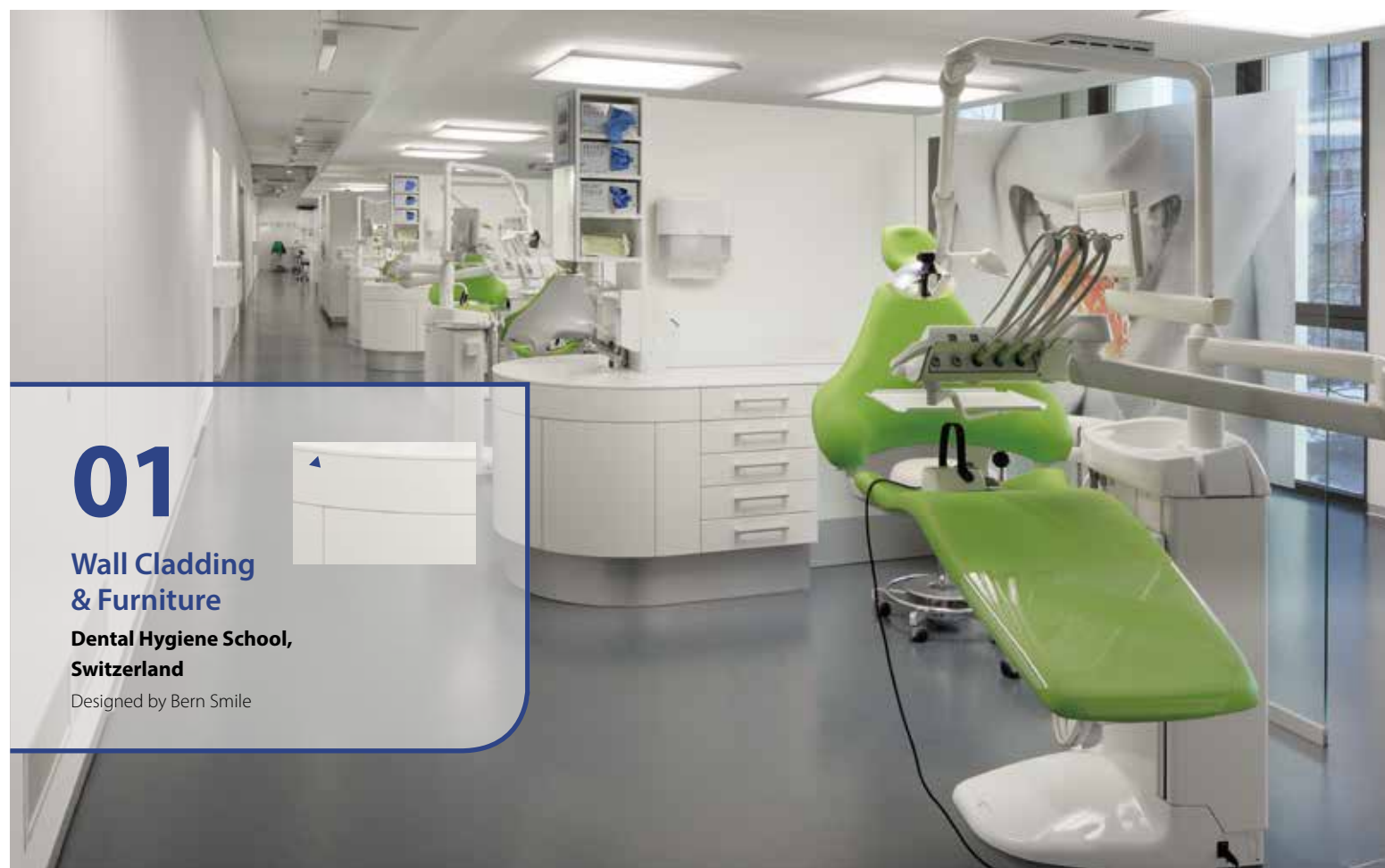
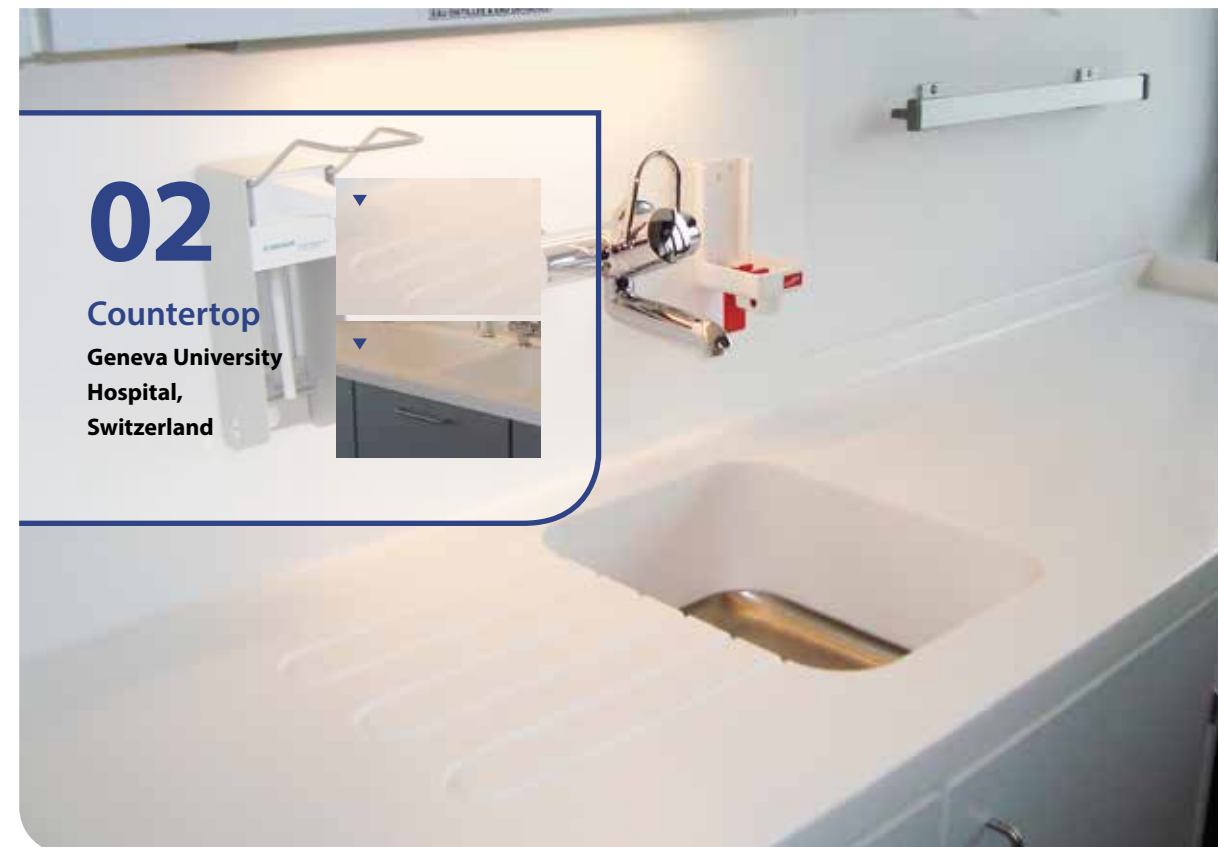
Wash Bowl
Marriott
Renaissance
Hotel
Barcelona,
Spain

Designed by
Jean Nouvel



HEALTHCARE

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



01

**Wall Cladding
& Furniture**

**Dental Hygiene School,
Switzerland**

Designed by Bern Smile





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**



RESTAURANTS



01

Display Fixtures
Gallery Café
 Queensland,
 Australia

Designed by
 Nosuchstudio
 collective



03

Table, Countertop
Sushi La Bar & Grill Restaurant
 Nicosia, Cyprus



02

Display Fixtures
Perfect Day® Coffeeshop
 Frankfurt Airport, Germany

Design and photo : 3deluxe Architects

TRANSPORT



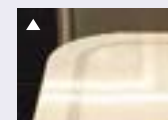
01

Countertop
RV Caravan,
 Korea



02

Countertop
RV Caravan,
 Germany

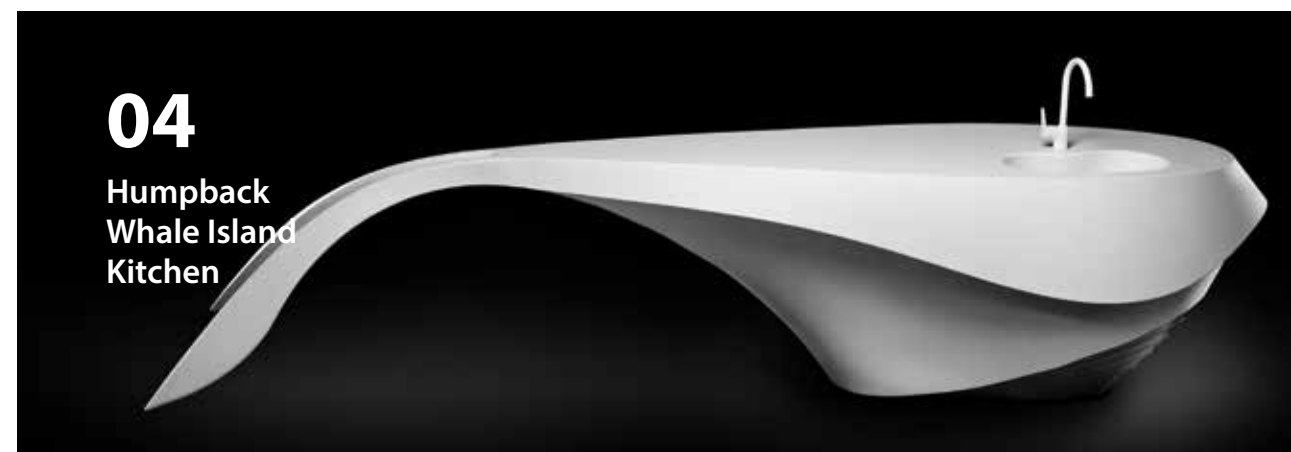
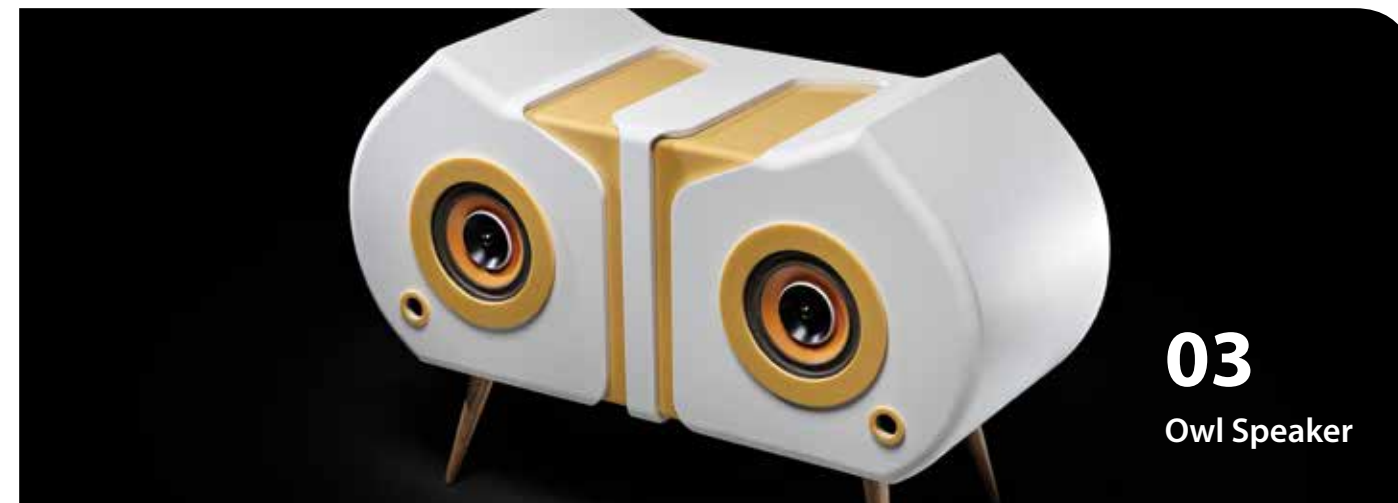


03

Countertop
RV Caravan,
 Korea

CREATIVE WORKS

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



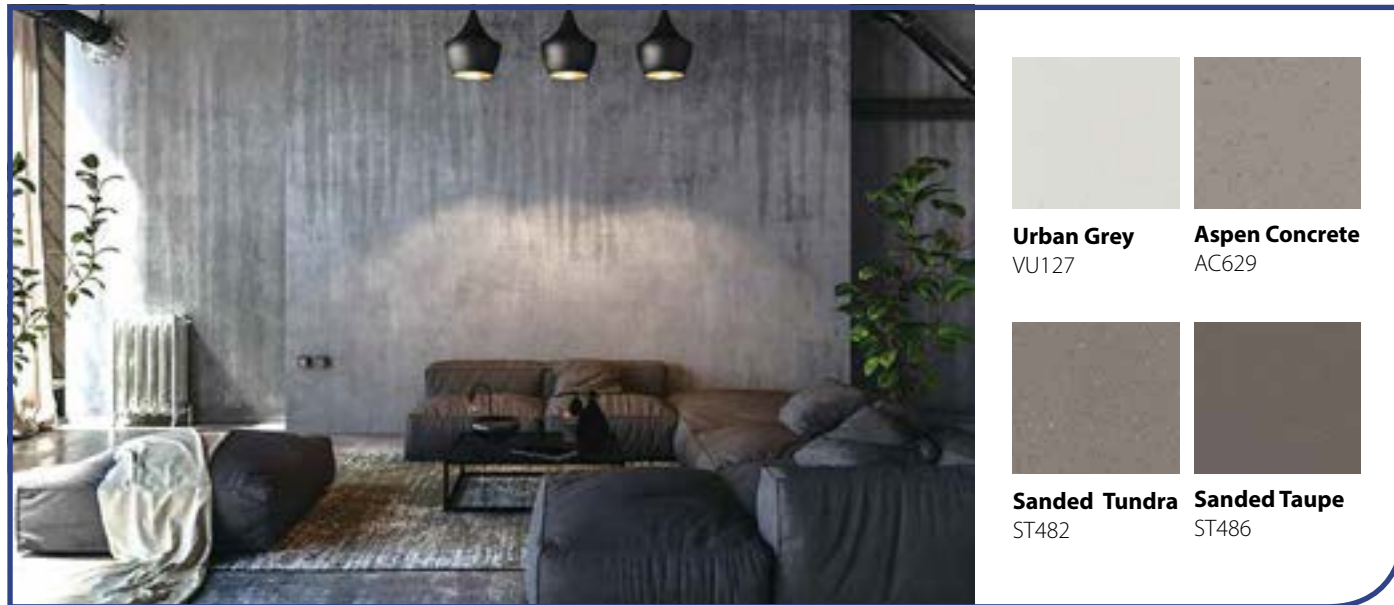
URBAN SERIES PROPOSAL

Simple, modern and sophisticated. Staron® Urban Collection is characterized by understated, industrially inspired colours— 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



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 ship building

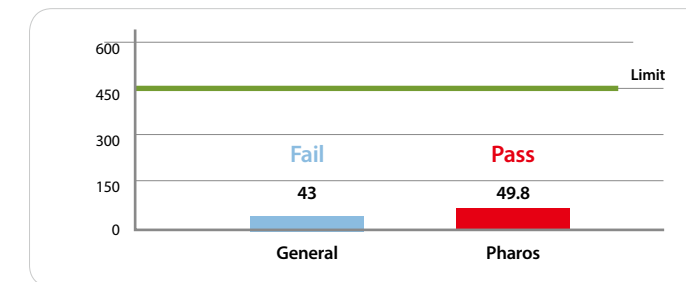


Staron® Pharos has a MED (Marine Equipment Directive) certification in accordance with the IMO (International Maritime Organization) regulations. While most shipbuilding materials are sensitive to heat and fire, see how Staron® Pharos meets not only the flammability standards but also your aesthetic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

FLAME-RETARDANT TEST RESULT

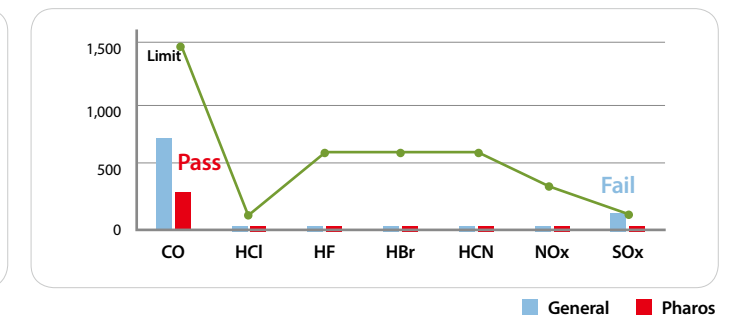
Max. Gas Smoke Density

- Passed with 49.8 Dm of gas smoke density



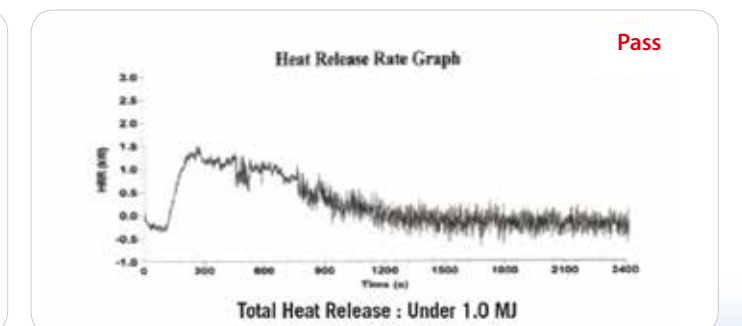
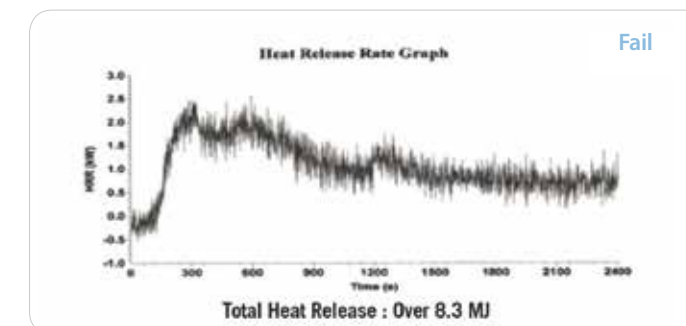
Toxic Gas Generation

- Found 273 ppm of CO, other kinds of gas were not found
- In case of solid surface, SOx gas was found (failed)



Surface Flammability

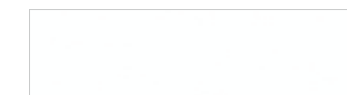
Total heat release of FR grade is 1/8. (Harder to burn)



General

Pharos

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 COLOURS

Terrazzo Venezia
NT150



Sanded Mint
SM463



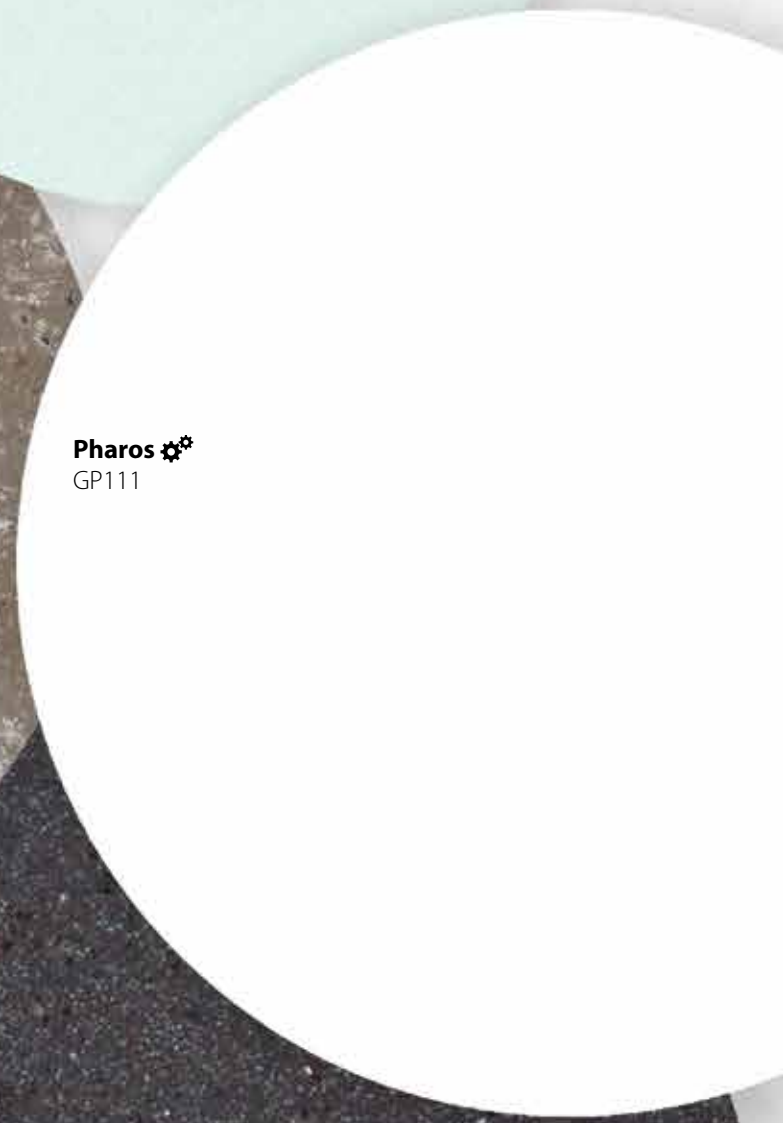
Flux
VF113



Ash Concrete
VA129



Pharos ⚙️
GP111



Concerto
VC157



Pebble TeaRose
PT845



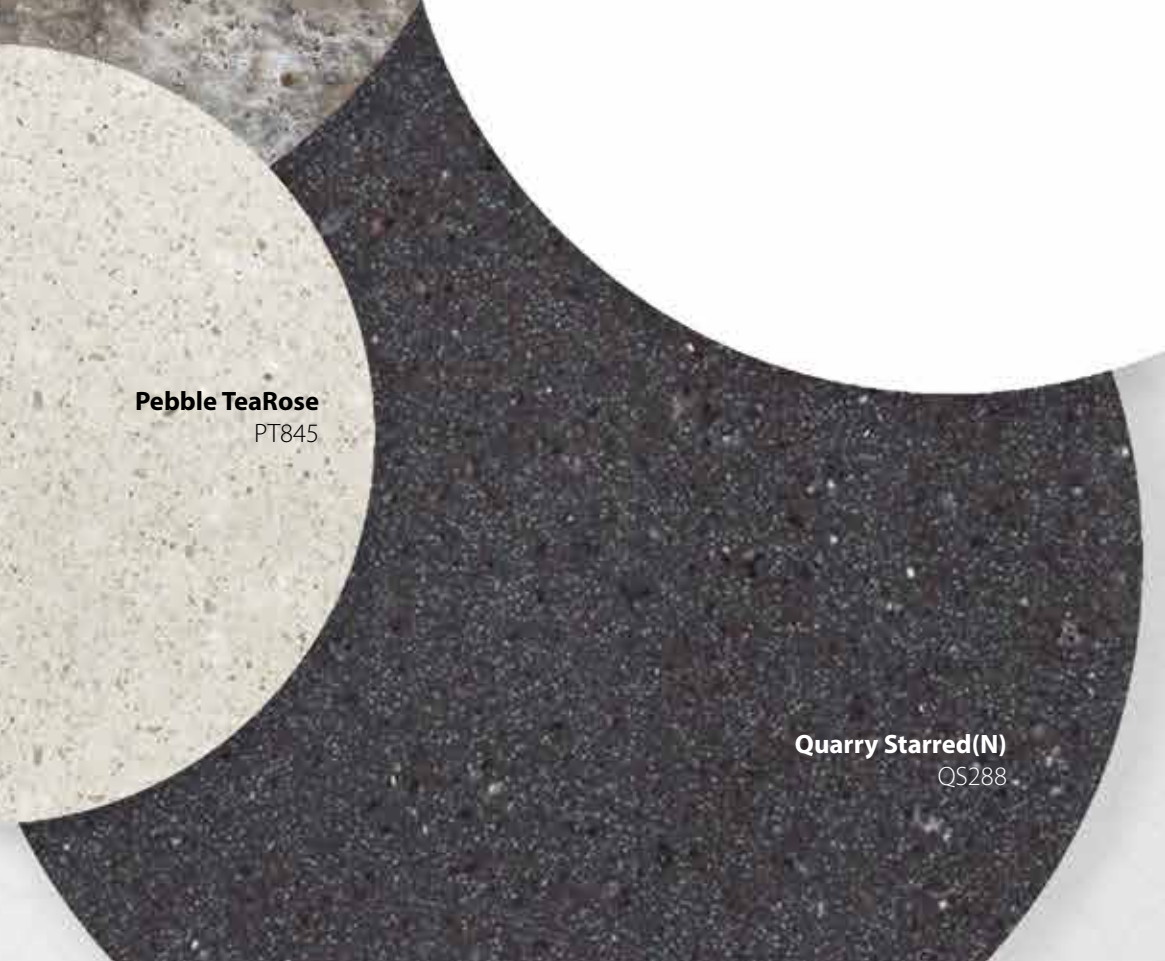
Sanded Iceblue
SI462



Metallic Sleeksilver(N)
ES582



Quarry Starred(N)
QS288



Infinity ⚙️
IF188



COLOURS OF STARON

SUPREME



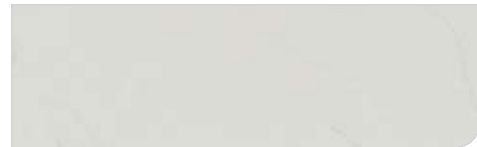
Cotton White VC110



Morning Sky VM114



Beige Granite VB172



Urban Grey VU127



Delphi VD111



Ocean View VO171



Cloudbank VC118



Flux VF113 **NEW**



Magnolia VM143



Natural Bridge VN144



Dandelion VD175



Dawn VD126



Ash Concrete VA129 **NEW**



Loam VL155



❖ Concerto VC157 **NEW**

TEMPEST



Peak FP100



Meteor FM111



Polar FP111



Rattan FR124



❖ Genesis FG174



Silvercloud FS122



Mystic FM178



Sonoma FS143



Adamantine FA159



❖ Coffee Bean FC158 ❖

TEMPEST



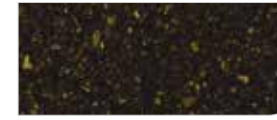
Radiance(Shimmer) FR148 ❖



Zenith FZ184



❖ Caviar FC188



❖ Gold Leaf FG196 ❖

SOLID



Quasar White SQ019



Bright White BW010



Pure White SP016



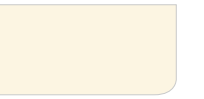
Dazzling White SD001



Pearl SP011



Natural SV041



Ivory SI040



Fog SF020



Bliss SB022



Steel ST023



Serene SS023



Oasis SO064



❖ Sunflower(N) SS042



❖ California Poppy(N) SC052

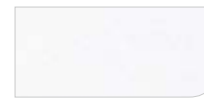


Univers(N) SU053



❖ Onyx ON095 ❖

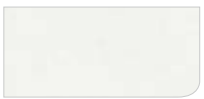
SANDED



Sanded Icicle SI414



Sanded Birch SB412



Sanded Cream SM421



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 Stratus SS418



Sanded Grey SG420



Sanded Goose SG428



Sanded Heron SH428



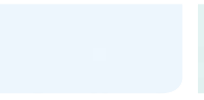
Sanded Tundra ST482



❖ Sanded Taupe ST486



❖ Sanded Dark Nebula DN421



Sanded Iceblue SI462 **NEW**



Sanded Mint SM463 **NEW**

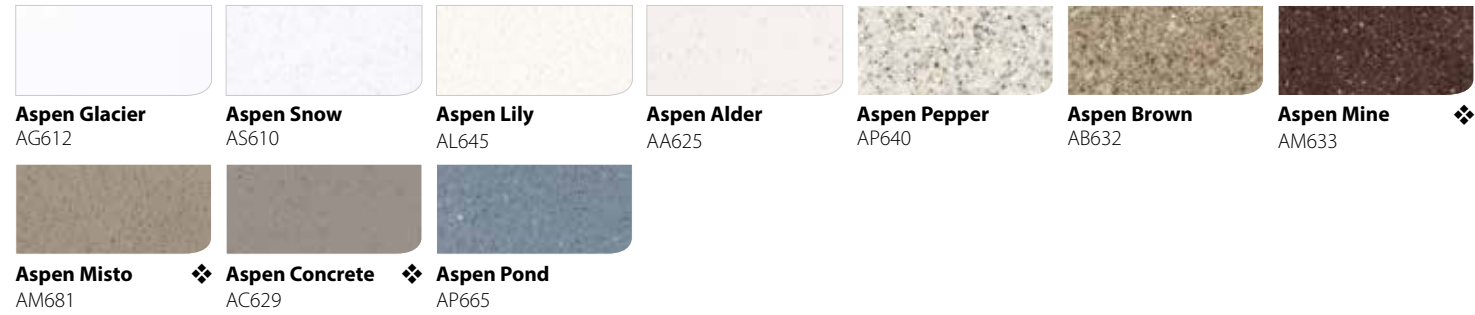


Sanded Meadow SM465



Sanded Onyx SO423

ASPEN



PEBBLE



QUARRY



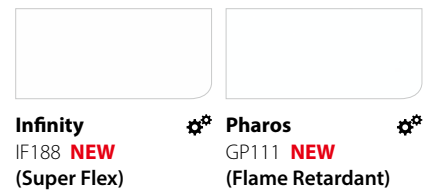
METALLIC



TERRAZZO



FUNTIONAL PRODUCTS



Eco-Friendly Materials, Staron

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

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

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

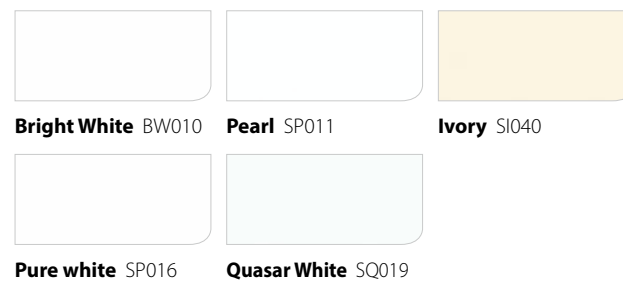
⚙️ Funtional Product



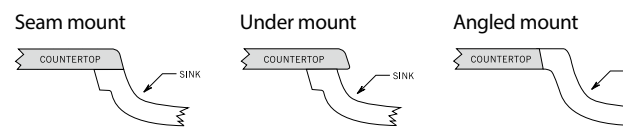
SINKS & BOWLS

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 colours in ten popular models:

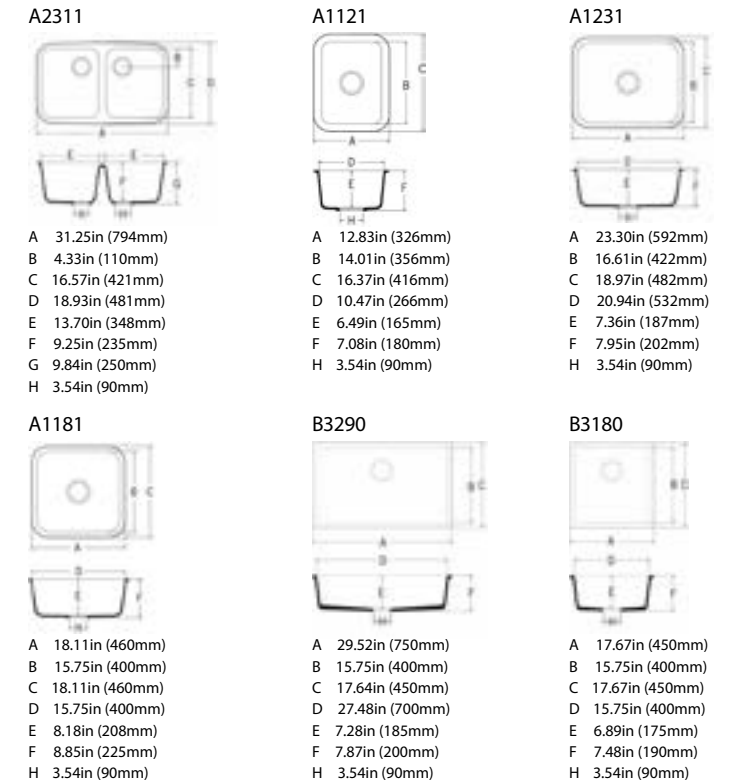
COLOUR OPTIONS



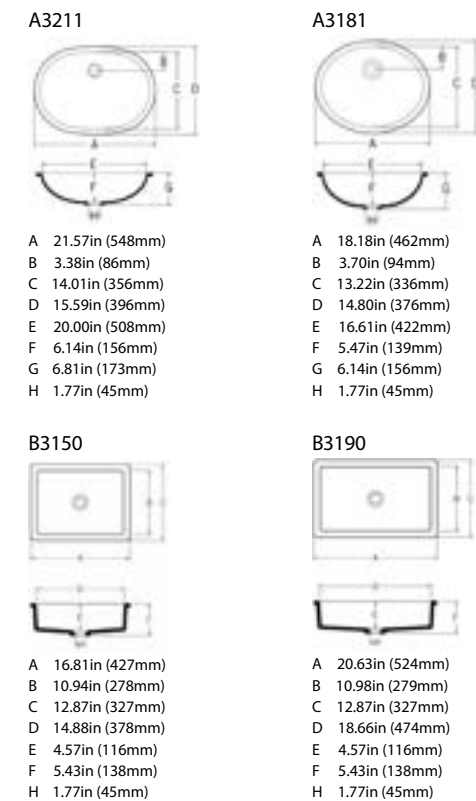
MOUNTING OPTIONS



LAVATORY SINKS / BASINS



KITCHEN / UTILITY SINKS



PERFORMANCE PROPERTIES

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LOTTE CHEMICAL 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.

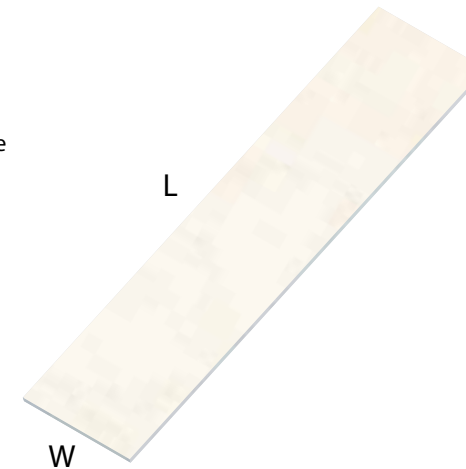
Exclusion of the implied warranties may not apply in certain jurisdictions.

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	2.0x10 ⁻⁵ in/in F ⁰	ASTM D 696
Gloss (60 Gardner)	Between 5-20	NEMA LD-3
Colour 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 colours Patterned colours	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 colour) 81.8g (Patterned colour)	Pittsburgh test protocol (LC50 Test)

PRODUCT DIMENSIONS

COLLECTION

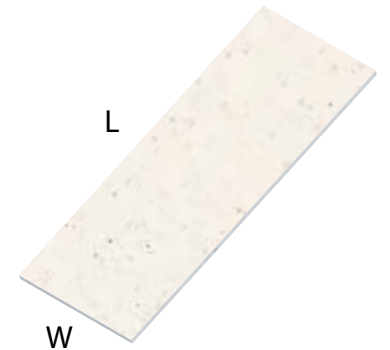
Solid, Sanded,
Aspen, Pebble,
Quarry, Metallic,
Tempest, Supreme



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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