



**LOTTE Chemical Deutschland GMBH**

Kölner Str. 12, 65760 Eschborn, Germany  
Tel. +49 (0) 6196-7727-275  
E-mail. [staron.eu@lottechem.com](mailto:staron.eu@lottechem.com)

[www.staron.com](http://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.

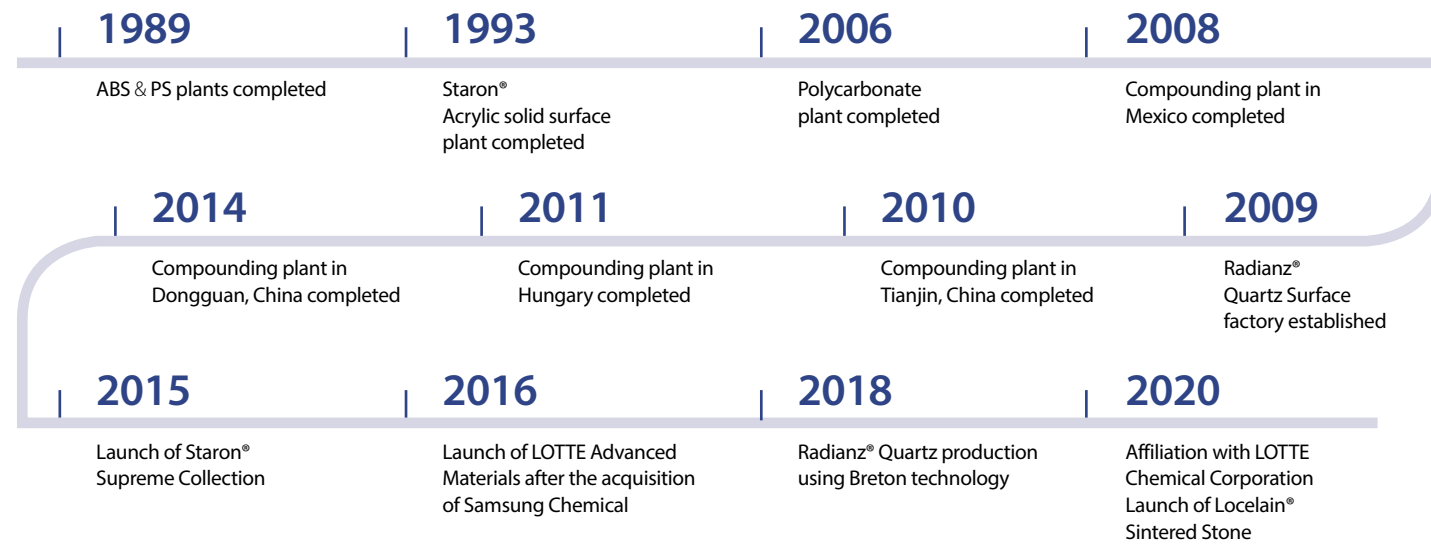
With its drive to become a global supplier of top-tier decorative surfacing materials, LOTTE Chemical Corporation launched LOTTE Advanced Materials in May of 2016 through its acquisition of Samsung Chemical.

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



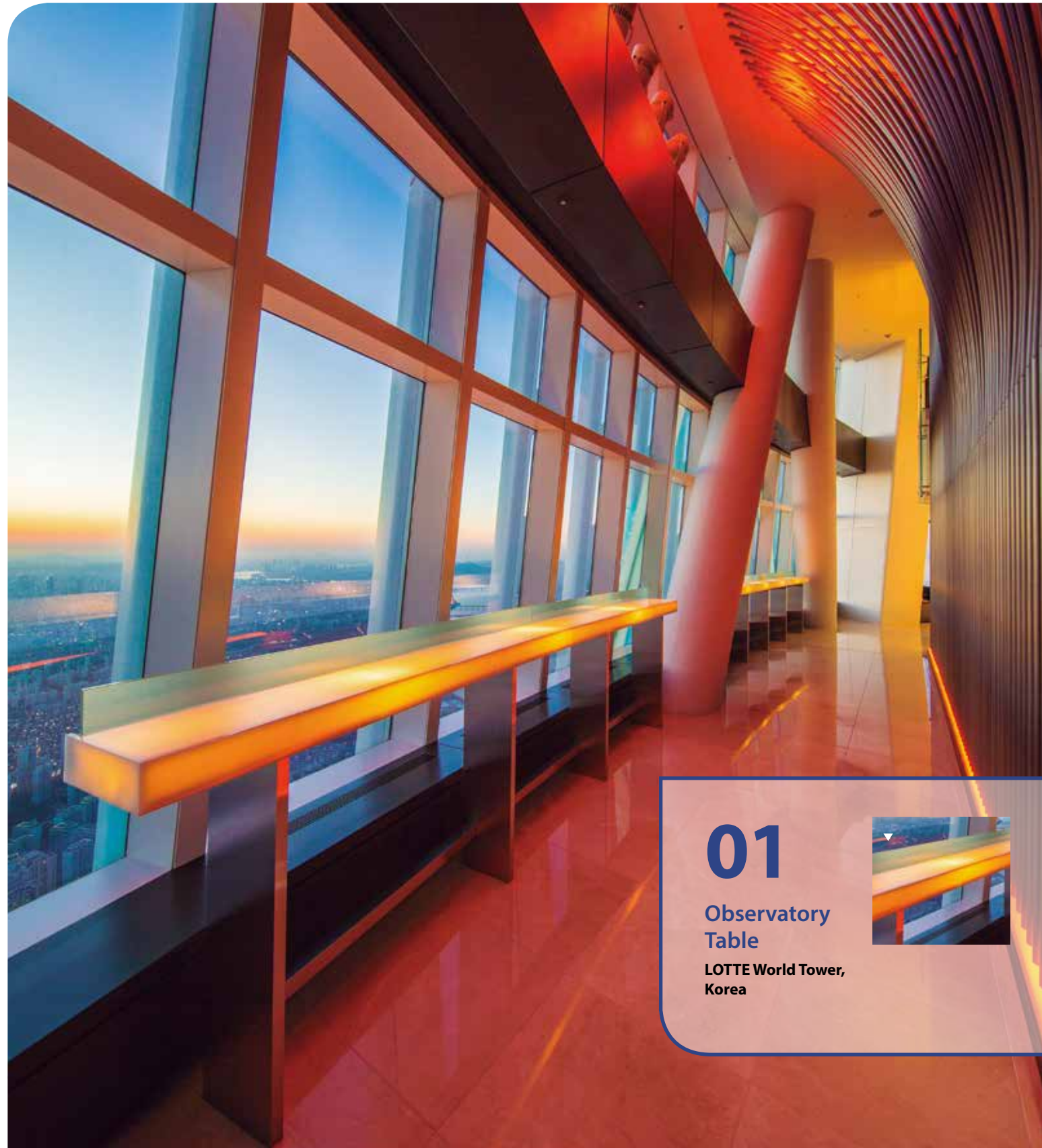
### RELIABLE QUALITY

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



# COMMERCIAL & PUBLIC SPACES

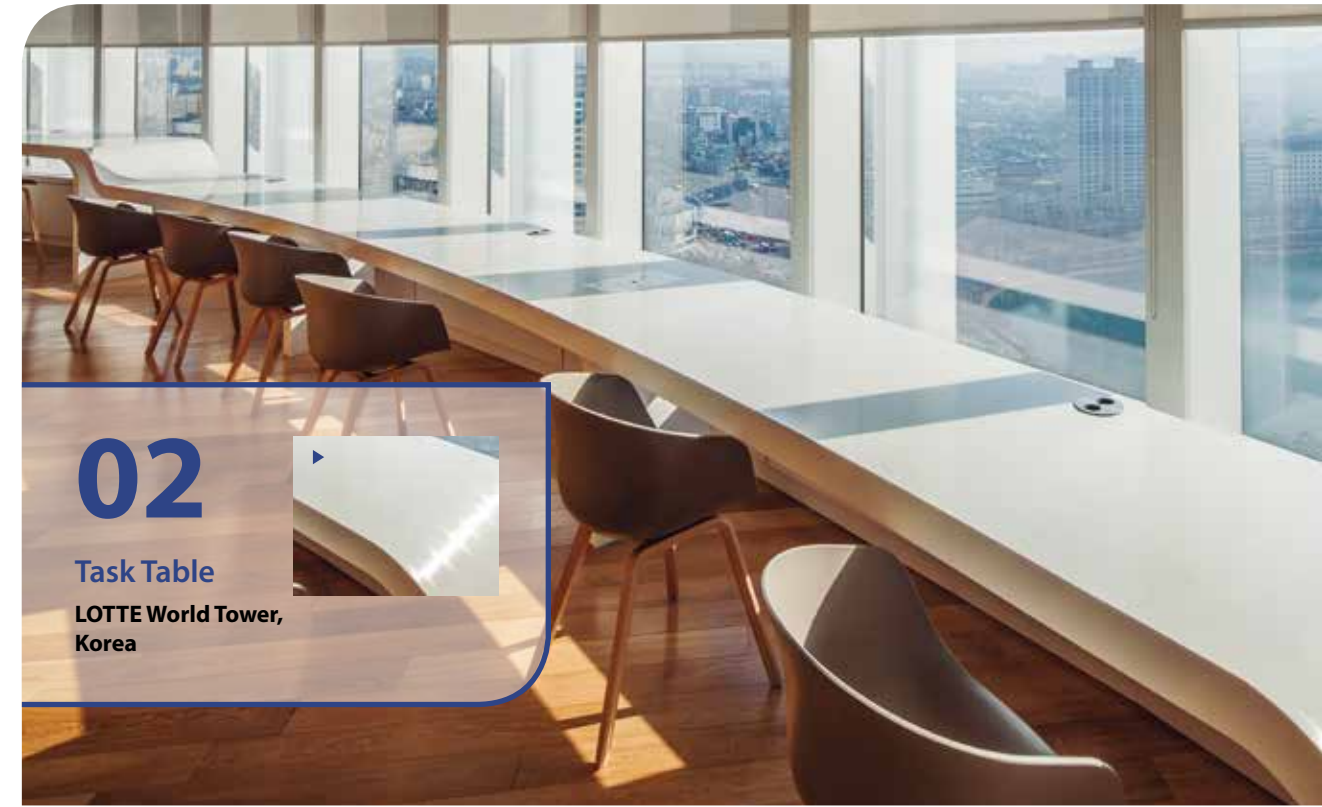
Staron® solid surfaces provide a seamless and ultra-hygienic element to any residential and commercial area. Pure and neutral solid-colours, such as Staron® Bright White, add a modern and contemporary finish to an interior space.



01

Observatory  
Table

LOTTE World Tower,  
Korea



02

Task Table

LOTTE World Tower,  
Korea



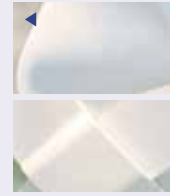
03

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

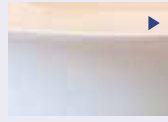


**07**

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







08

Reception Desk

New Vienna University, Austria

Designed by Zaha Hadid Architect

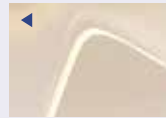


10

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

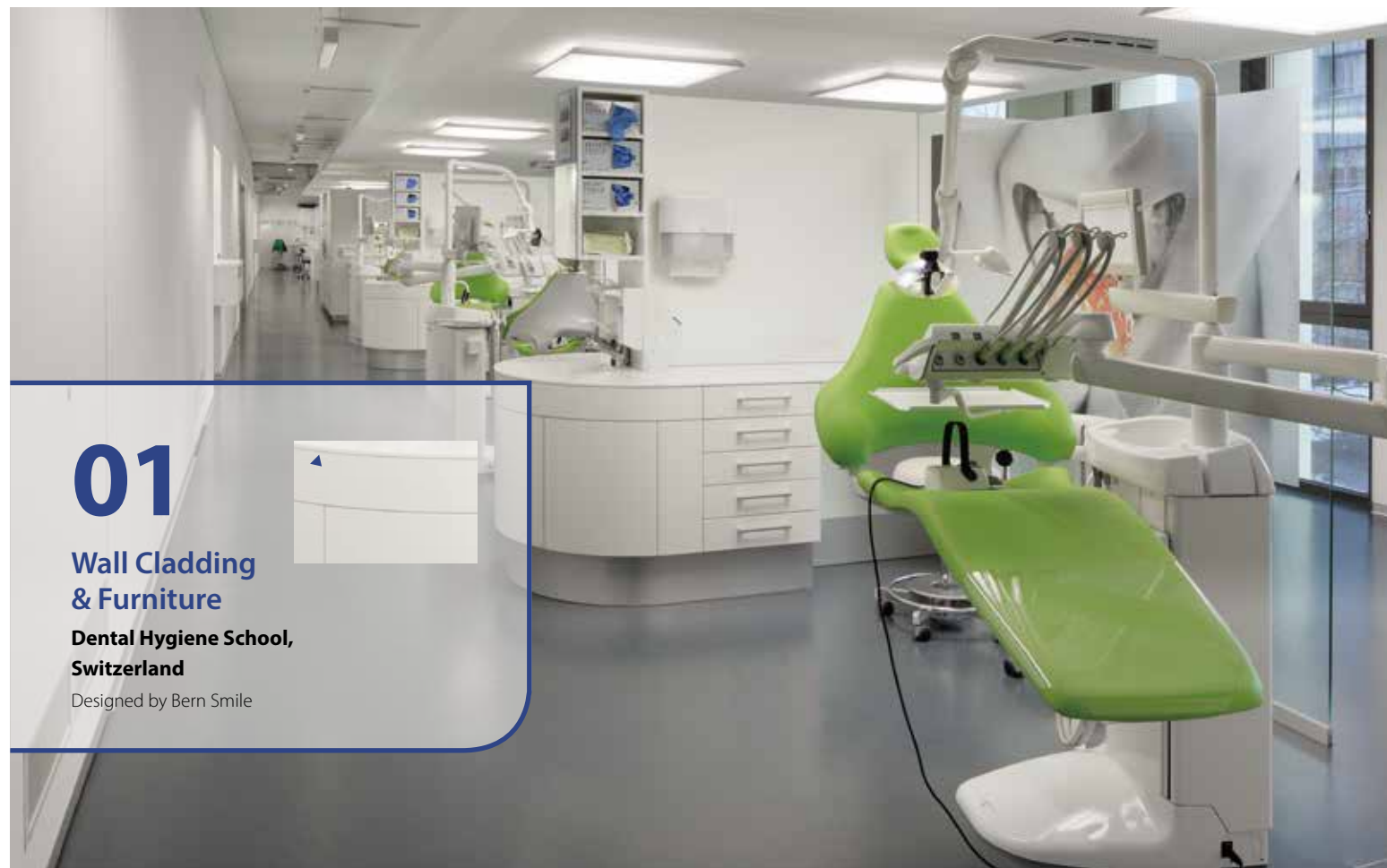
Designed by  
Jean Nouvel





# 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.







**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



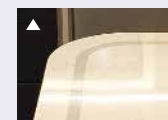
**01**

**Countertop**  
**RV Caravan,**  
 Korea



**02**

**Countertop**  
**RV Caravan,**  
 Germany



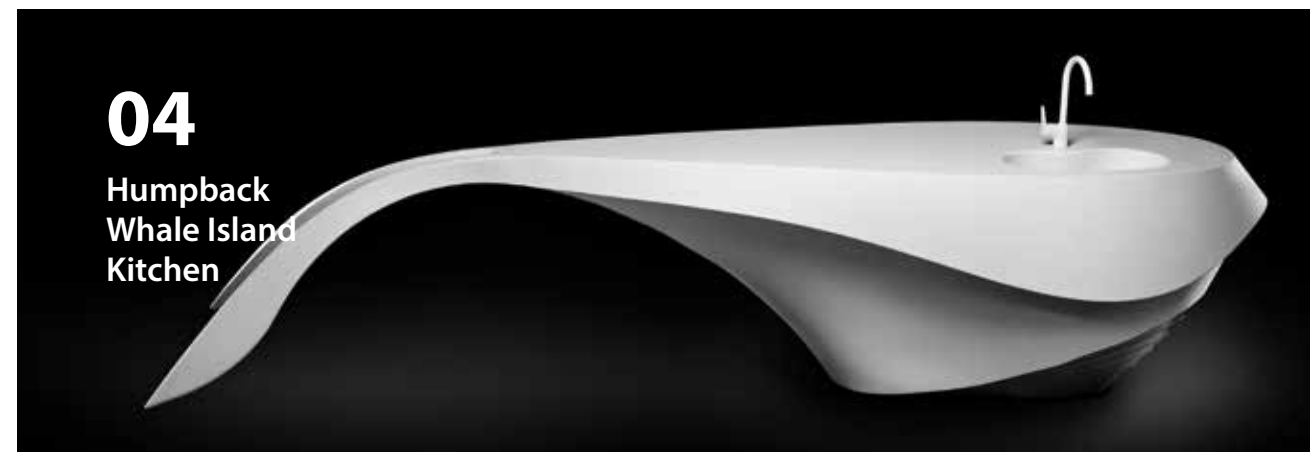
**03**

**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.



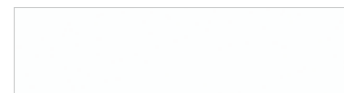
### TIME-SAVING

- 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

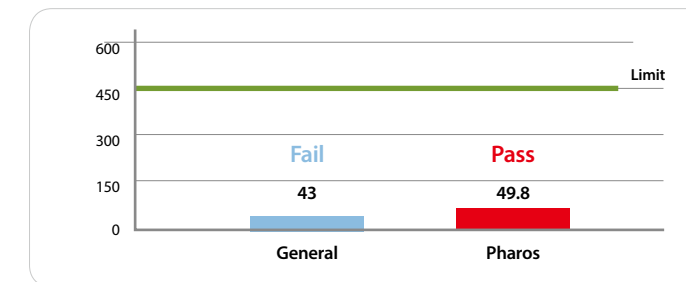


Staron® Pharos has a MED (Marine Equipment Directive) certification in accordance with the IMO (International Maritime Organization) regulations. While most shipbuilding materials are sensitive to heat and fire, see how Staron® Pharos meets not only the flammability standards but also your aesthetic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

### FLAME-RETARDANT TEST RESULT

#### Max. Gas Smoke Density

- Passed with 49.8 Dm of gas smoke density



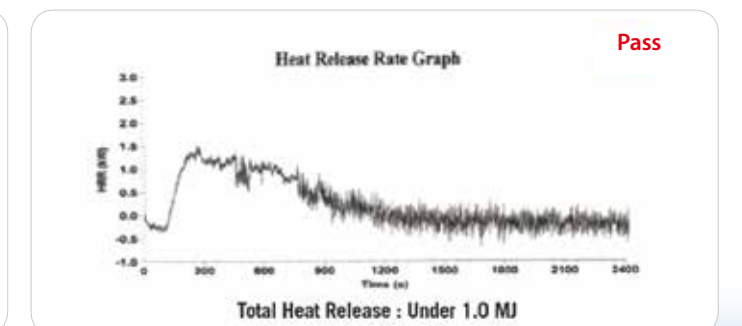
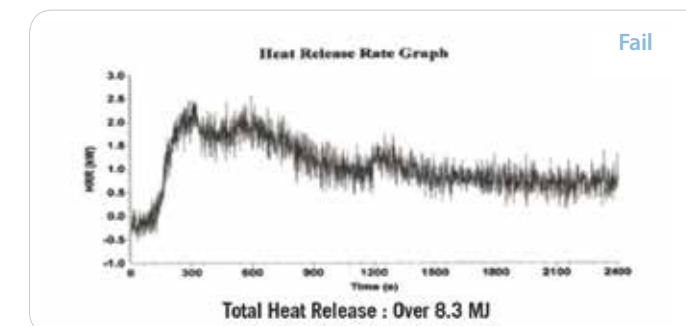
#### Toxic Gas Generation

- 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



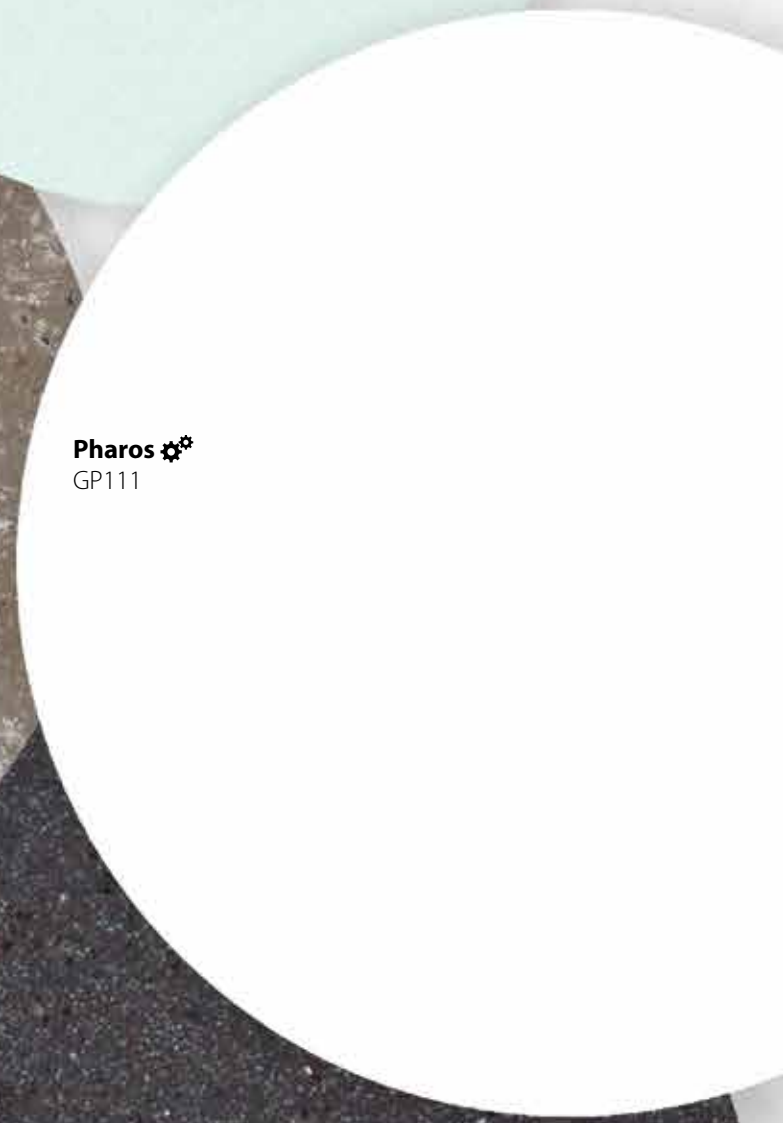
**Flux**  
VF113



**Ash Concrete**  
VA129



**Pharos**   
GP111



**Concerto**  
VC157



**Pebble TeaRose**  
PT845



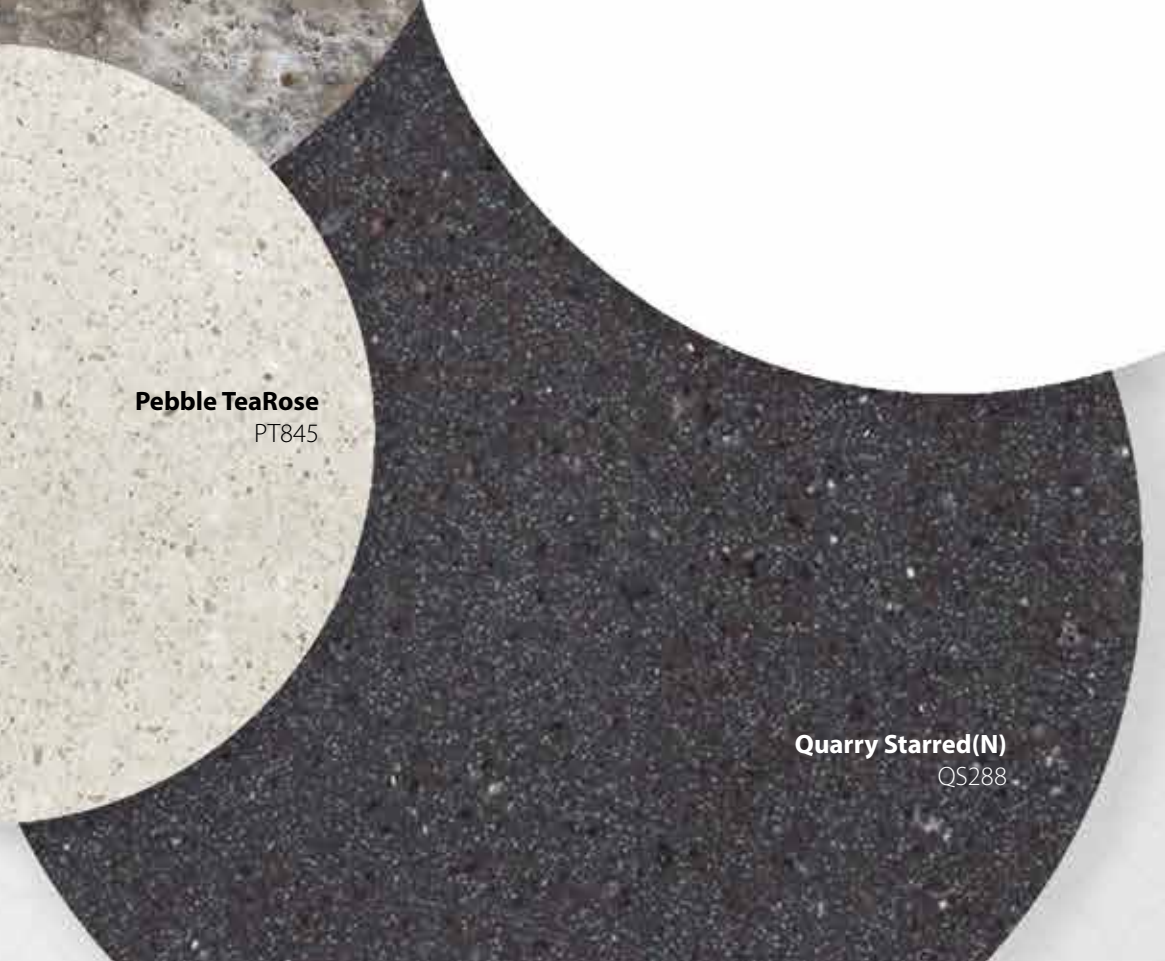
**Sanded Iceblue**  
SI462



**Metallic Sleeksilver(N)**  
ES582



**Quarry Starred(N)**  
QS288



**Infinity**   
IF188





# COLOURS OF STARON

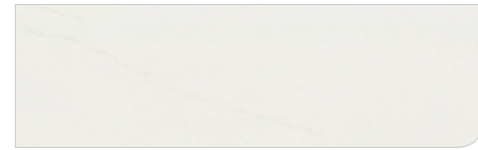
## SUPREME



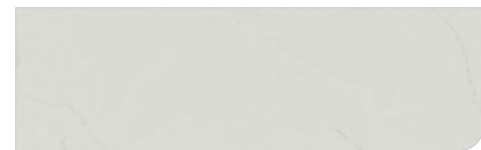
Cotton White VC110



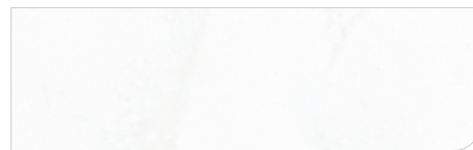
Morning Sky VM114



Beige Granite VB172



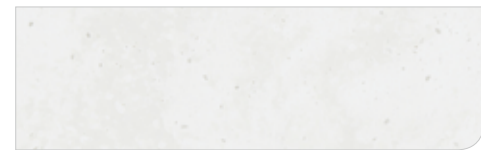
Urban Grey VU127



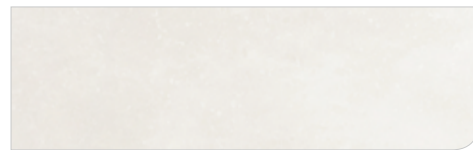
Delphi VD111



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



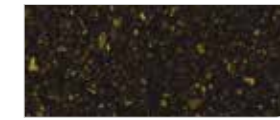
Radiance(Shimmer) FR148 ❖



Zenith FZ184

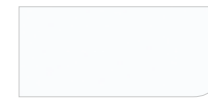


❖ Caviar FC188

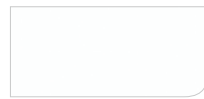


❖ Gold Leaf FG196 ❖

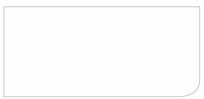
## SOLID



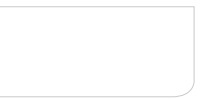
Quasar White SQ019



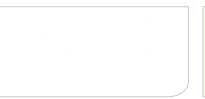
Bright White BW010



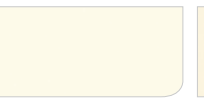
Pure White SP016



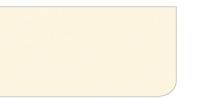
Dazzling White SD001



Pearl SP011



Natural SV041



Ivory SI040



Fog SF020



Bliss SB022



Steel ST023



Serene SS023



Oasis SO064



❖ Sunflower(N) SS042



❖ California Poppy(N) SC052

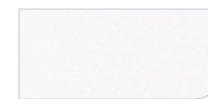


Univers(N) SU053



❖ Onyx ON095 ❖

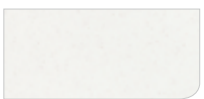
## SANDED



Sanded Icicle SI414



Sanded Birch SB412



Sanded Cream SM421



Sanded Sahara SS440



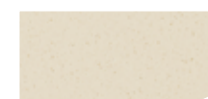
Sanded Gold Dust SG441



Sanded Vermillion SV430



Sanded Cornmeal SC433



Sanded Papyrus SP474



Sanded Clay SC475



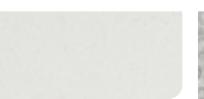
❖ Sanded Mocha SM453



❖ Sanded Chestnut SC457



Sanded White Pepper WP410



Sanded Stratus SS418



Sanded Grey SG420



Sanded Goose SG428



Sanded Heron SH428



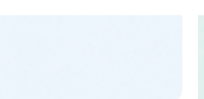
Sanded Tundra ST482



❖ Sanded Taupe ST486



❖ Sanded Dark Nebula DN421



Sanded Iceblue SI462 **NEW**



Sanded Mint SM463 **NEW**



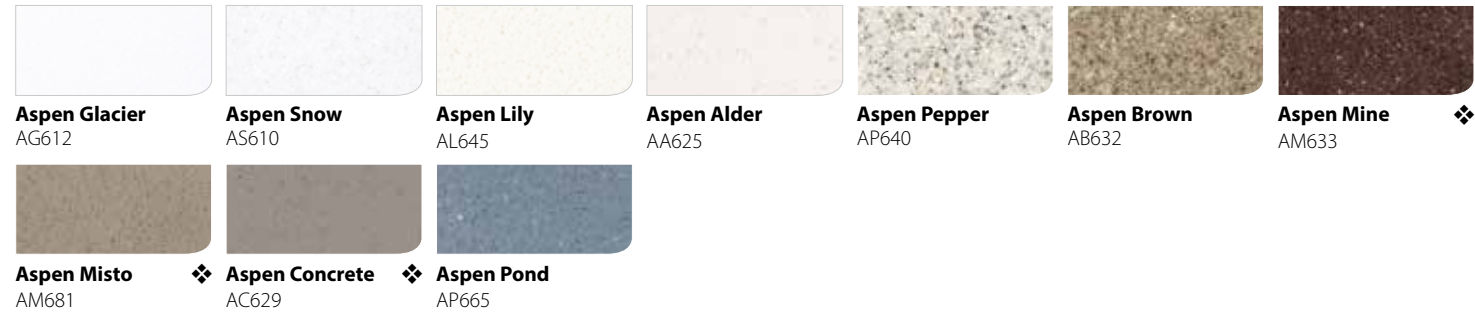
Sanded Meadow SM465



Sanded Onyx SO423



## ASPEN



## PEBBLE



## QUARRY



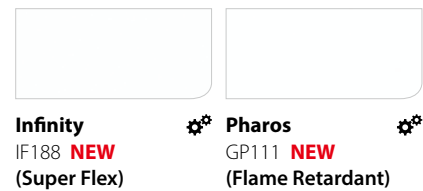
## METALLIC



## 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](http://www.staron.com)

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

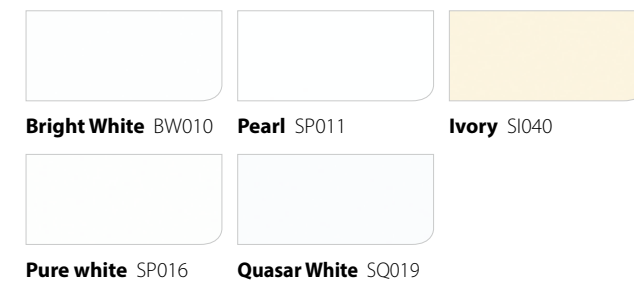
⚙️ Funtional Product



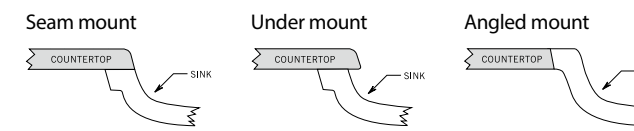
# SINKS & BOWLS

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:

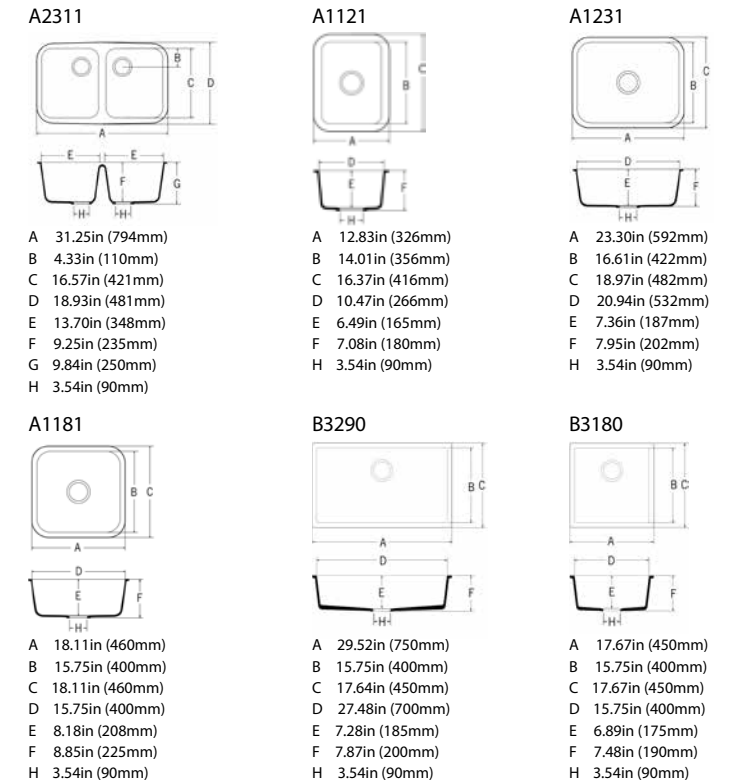
### COLOUR OPTIONS



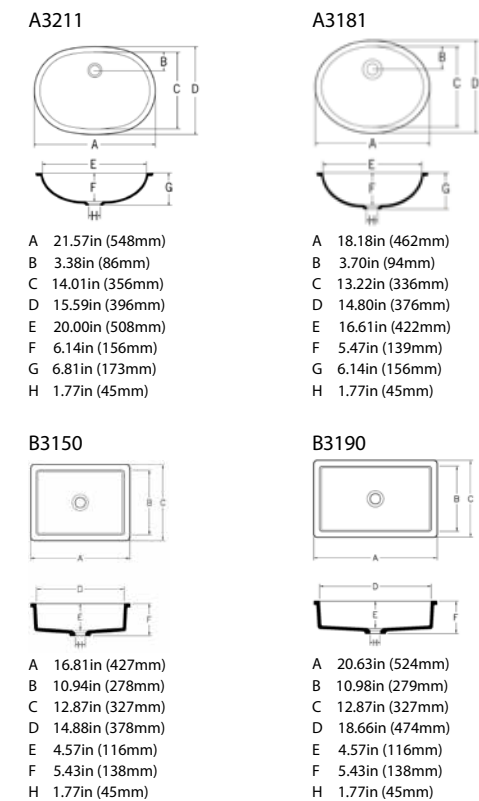
### MOUNTING OPTIONS



### LAVATORY SINKS / BASINS



### KITCHEN / UTILITY SINKS





# PERFORMANCE PROPERTIES

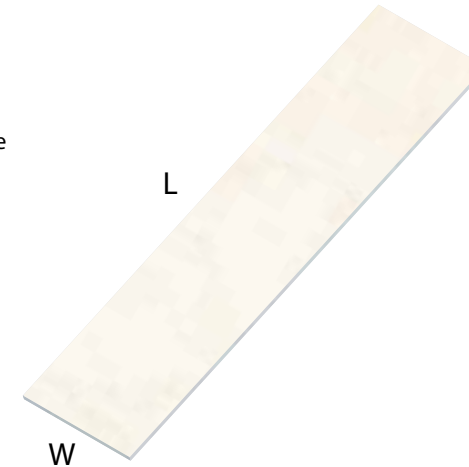
The information contained herein is provided by LOTTE CHEMICAL Co., Ltd. and subsidiaries and affiliates for information purposes only and should be used by individuals with technical experience and knowledge in the area. LOTTE CHEMICAL does not make any representation or warranties of the usefulness 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	2.0x1.0 <sup>-5</sup> in/in F <sup>0</sup>	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

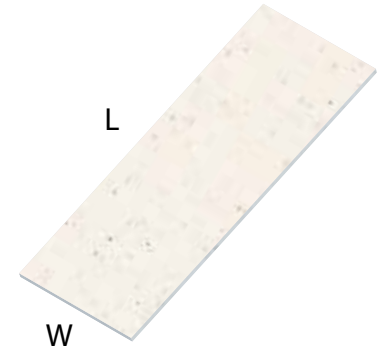
Solid, Sanded,  
Aspen, Pebble,  
Quarry, Metallic,  
Tempest, Supreme



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](http://www.staron.com)

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