

**staron**<sup>®</sup>  
Solid Surfaces

**LOTTE CHEMICAL (THAILAND) CO., LTD.**

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# STARON

Solid Surfaces  
[www.Staron.com](http://www.Staron.com)

**staron**<sup>®</sup>  
Solid Surfaces



# 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

NEW  
Supreme

## INTIMATE MOMENTS

### *Translucent / Mystical / Organic Pattern*

The upgraded Supreme III is inspired by marble that have unexpected movements and cracks of nature formed by long-enduring harsh natural conditions. The vein conveys a sense of depth by the effects of reflection, refraction, and overlay through light. The lighting transmission effect relieves people's anxiety and isolation by providing emotional stability. Depending on the presence or absence of lighting, three types of interpretation are possible, so it can be used not only for countertops but also as wall-claddings.

**Enjoy our three new fabulous decors in the Supreme III series;**

**Arctic White** with marble-like veins on subtle white and

**Rotor Cloud** that stands out with the harmony of tinted grey and bold white veins.

**Latte Cream** like the dawn of winter, laid down onto the color of the vast lands

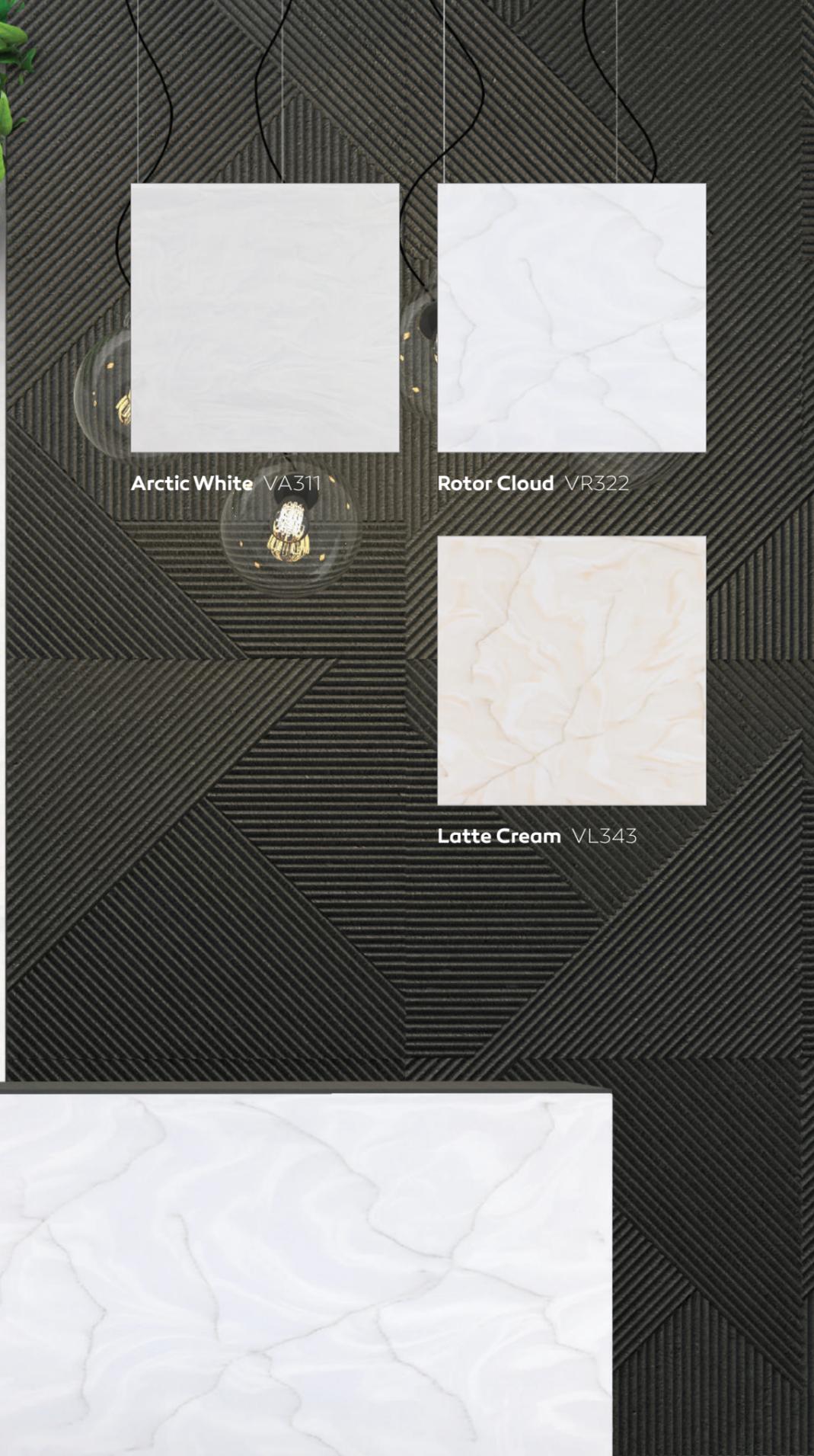
NEW  
Supreme



Arctic White VA311

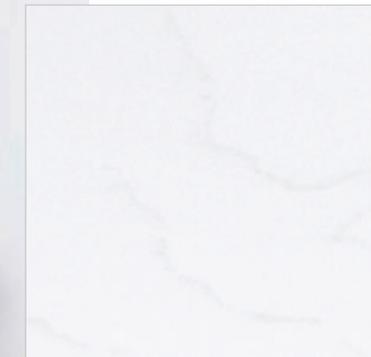
Rotor Cloud VR322

Latte Cream VL343

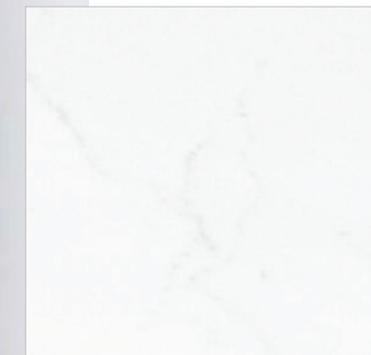




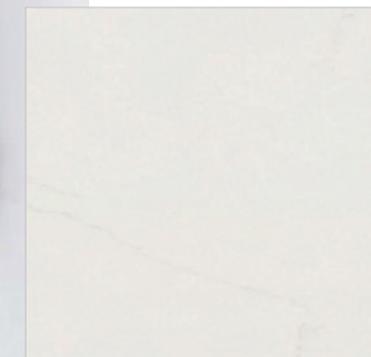
Cotton White



Cotton White VC110

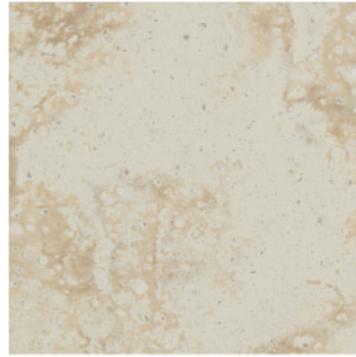


Morning Sky VM114

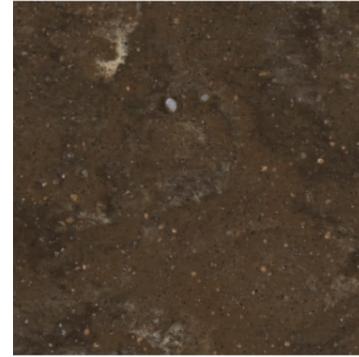


Beige Granite VB172

Supreme



**Dandelion** VD175



**Loam** VL155



**Magnolia** VM143



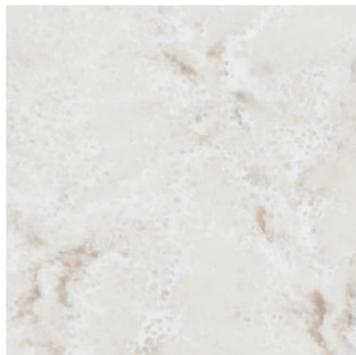
**Beige Granite** VB172



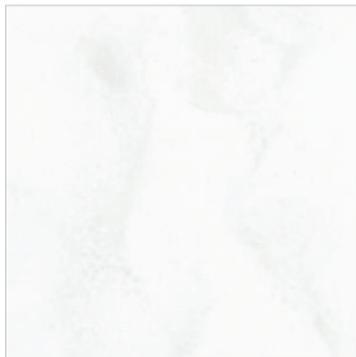
Supreme



Cloudbank VC118



Ocean View VO171



Delphi VD111

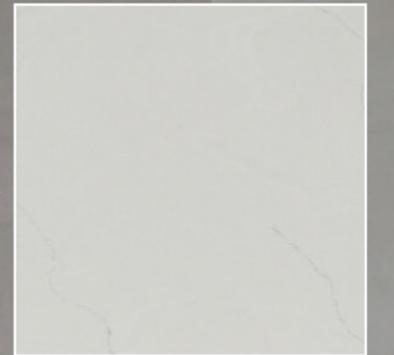


Ocean View

Supreme



Dawn VD126



Urban Grey VU127



Ash Concrete VA129

Ash Concrete

Supreme



**Flux** VF113



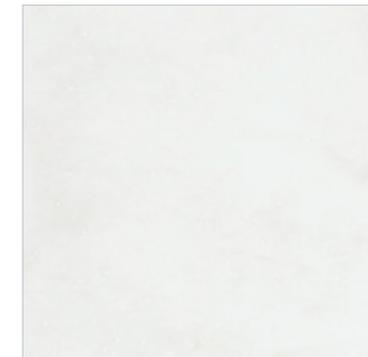
**Natural Bridge** VN144



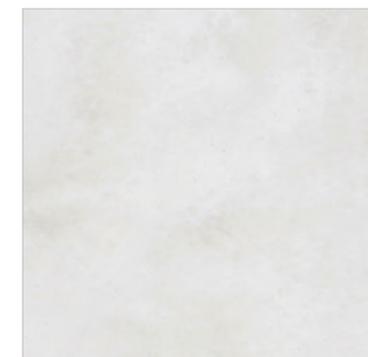
Flux



Reno



Tranquil VT115

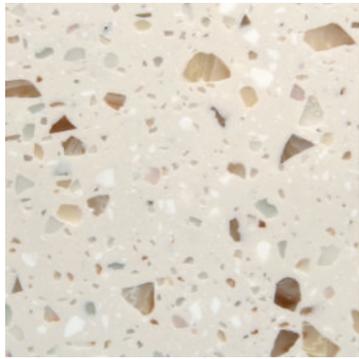


Reno VR184

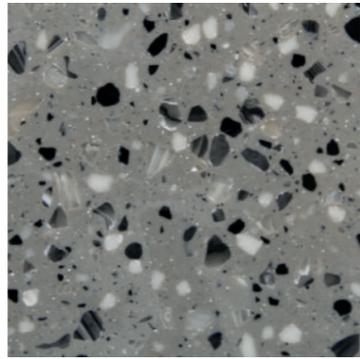


Noir Concrete VN180

Terrazzo  
Collection



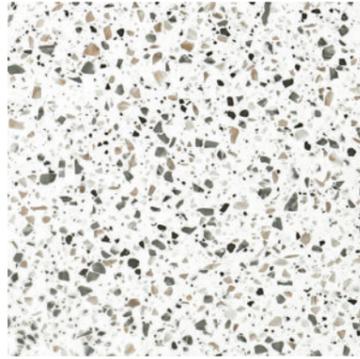
**Terrazzo Bologna**  
NT970



**Terrazzo Torino**  
NT981



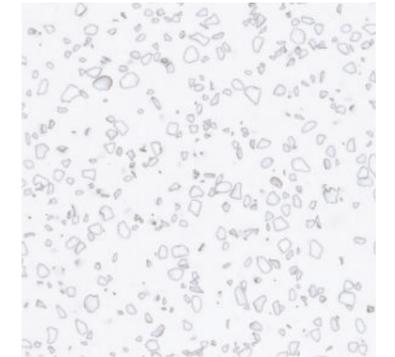
**Terrazzo Como**  
FT191



**Terrazzo Venezia**  
NT150



Terrazzo Venezia



**Mosaic Dalmatian** QD212



**Earthen Bark** QL257



**Mosaic Nimbus** Qn287

Mosaic Dalmatian

NEW  
Solid

# COLOR HEALING

## *Distinct / Optimistic / Energizing*

Color conveys simple yet powerful messages, and it contains numerous emotions. Intense colors communicate rich sensibility as well as lively and friendly atmosphere full of positive energy. These refreshing colors inspired by nature can be expected to have greater effects when harmonized with the existing STARON colors in various commercial spaces.

### **Ultramarine**

brings tranquility and comfort to people with its positive color soothing effect. Blue energizes the space and at the same time calms the mind, giving a sense of comfort and relief.

### **Forest**

is a vivid mint color with a hint of bluish green. It carries a pleasant, modern and outgoing mood. The positive energy of Forest gives life to the space and helps alleviate people's anxiety and depression, since it inherits healing aspects.

### **Piano Black**

is a vivid black with an elegant, sophisticated and modern mood that can emphasize the sensual simplicity of a space when used within an appropriate color scheme. This is a timeless beauty that allows unlimited design.



**Ultramarine**  
SU067

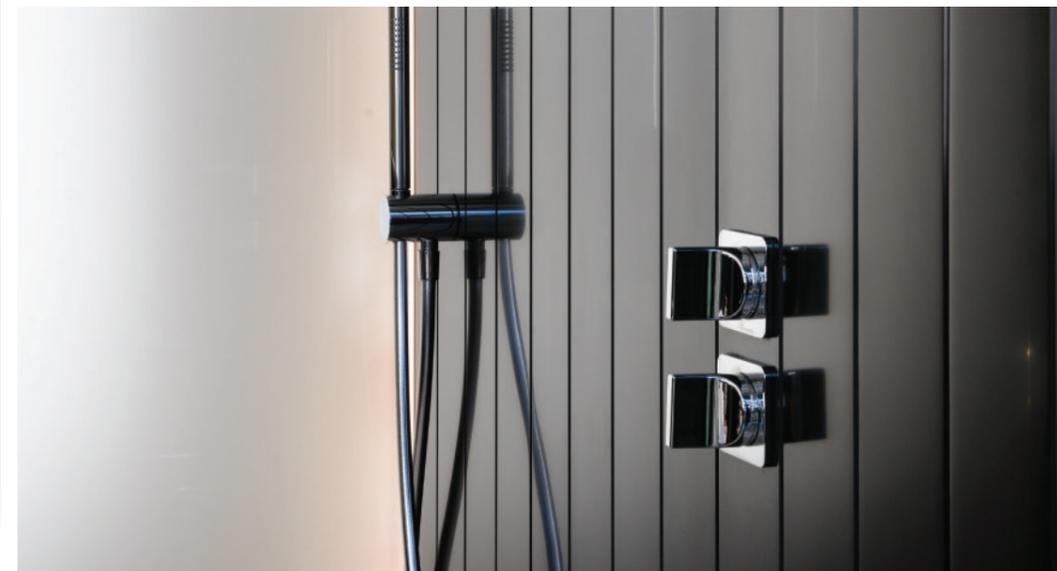


**Forest**  
SFO61



**Piano Black**  
GP790

Solid



**Fog**  
SFO20



**Ivory**  
SIO40



**Sunflower(N)**  
SS042



**California Poppy(N)**  
SC052



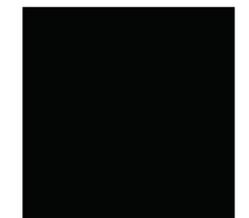
**Univers(N)**  
SU053



**Serene**  
SS023

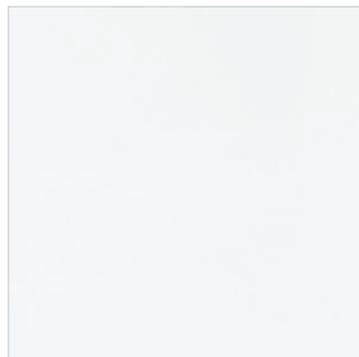


**Iris**  
SIO56

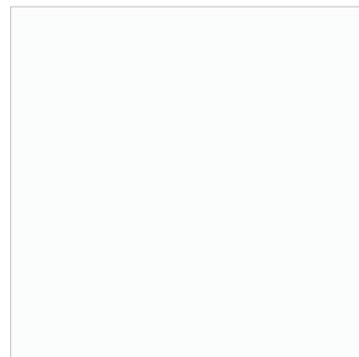


**Onyx**  
ON095

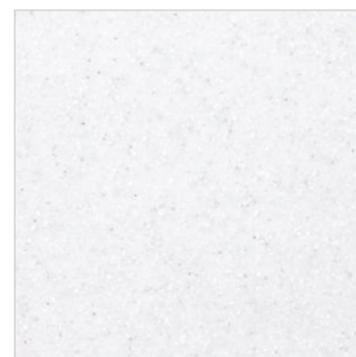
Exterior wall  
Cladding



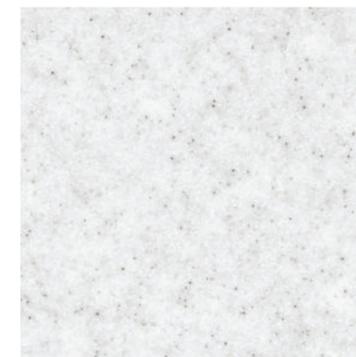
**Comodo White** GC120



**Bright White** BW010



**Aspen Snow** AS610



**Sanded White Pepper** WP410

Exterior wall  
Cladding



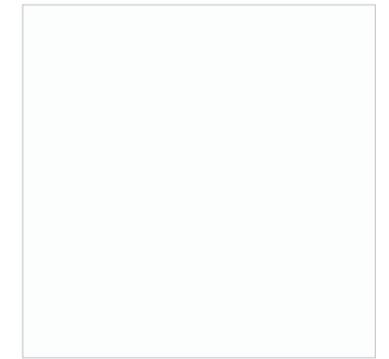
**Sanded Vermillion** SV430



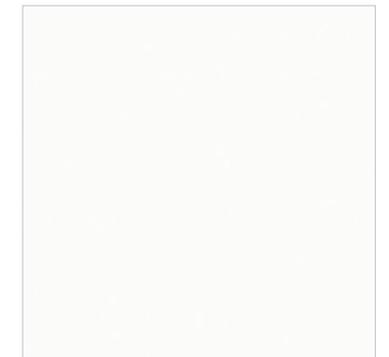
**Sanded Sahara** SS440



**Sanded Papyrus** SP474



**Pearl** SPO11



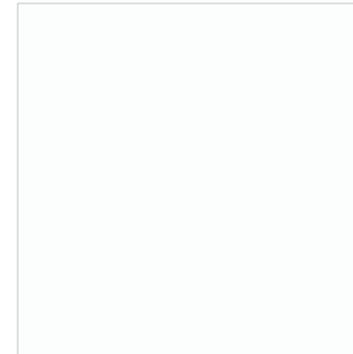
**Pure white** SPO16



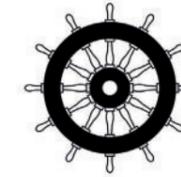
Interior wall  
Cladding



Flame  
Retardant



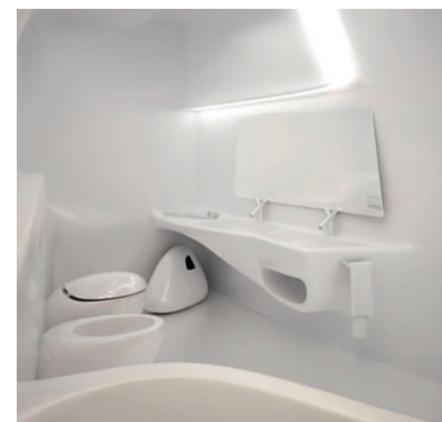
Pharos GP111

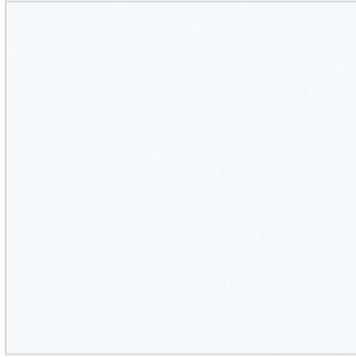


**IMO Certified Staron® Product**

Staron® Pharos holds MED (Marine Equipment Directive) certification in accordance with IMO (International Maritime Organization) regulations. While most shipbuilding materials are sensitive to heat and fire, Staron® Pharos meets both flammability requirements and high aesthetic demands.

Test	Result
Max. Gas Smoke Density	Pass (49.8Dm)
Toxic Gas Generation	Pass (273ppm of CO only)





Ultra Bright MU010



Limpio ML612

## Ultra-Hygienic Material Solution for Healthcare

**evermoin**

*The healthiest choice for your design*

evermoin® Ultra-Hygienic material/surface from staron® can be applied to almost any interior space within a healthcare facility. Imagine casework, work-stations and wall-cladding in a functional and renewable material that is durable as well as ultra-hygienic. Achieve the perfect blend of simplicity in design in an Ultra-Hygienic material surface engineered for a healthier life.



### Benefit of evermoin®



Speedy ultra-hygienic effect and action on representative bacteria and fungi

Excellent Ultra-Hygienic retention and Confirm quality stability and durability

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

Achieved SCS RECYCLED CONTENT CERTIFICATION which demonstrates our commitment to conserving natural resources. [SCS Recycle 6%]



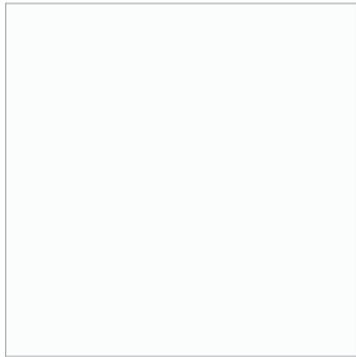
### Safety Properties

Obtained certification that guarantees sanitary safety and reliability harmless to the human environment such as Japan SIAA and US NSF and FDA.

Harmless to human body		Safe for food contact	Eco-friendly
 <b>SIAA</b> Society of International sustaining growth for Ultra-Hygienic Articles	 <b>EPA</b> US Environmental Protection Agency	 <b>FDA</b> US Food & Drug Administration	 <b>NSF</b> National Sanitation Foundation
			 <b>Eco-Friendly</b> SCS Global Services



# Super Flex



Infinity IF188

## Dramatic Curves & Design

- Minimum Radius : 0mm
- Staron® Super Flex boasts superior thermoplastic capabilities that can create limitless possibilities of shapes and designs from the slightest curves to extreme bends.

## 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 Reduction

- 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.
Staron Solid (12T)	302° (150°)
Staron Infinity (12T)	284° (140°) 302° (150°)

Time	Folding limit (Radius)
45~80 min	2" (50mm)
20~30 min 15~30 min	0" (0mm)



## Cautions for Processing

- Please note that variations in heating time and temperature conditions depending on the oven equipment. The table above shows the thermoforming conditions using convection ovens.
- Thermoforming time is shorter when using platen ovens.
- Thermoforming at temperatures above 180° can lead to decreased performance.
- Damage on Staron® Super Flex sheet can occur at temperatures above 185° . (using convection ovens)

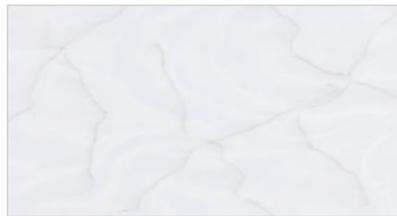


# COLORS OF STARON

## SUPREME



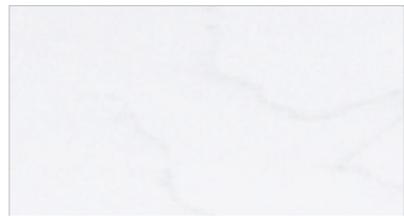
**NEW Arctic White** VA311 



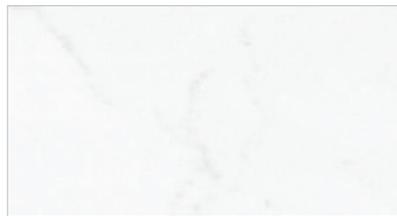
**NEW Rotor Cloud** VR322 



**NEW Latte Cream** VL343 



**Cotton White** VC110 



**Morning Sky** VM114 



**Beige Granite** VB172



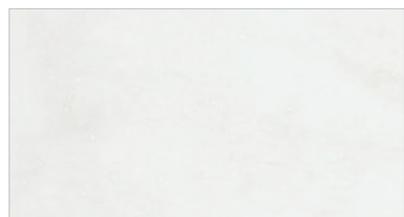
**Magnolia** VM143



**Dandelion** VD175



**Delphi** VD111 



**Tranquil** VT115



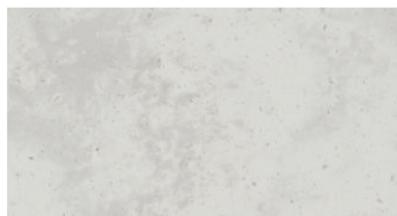
**Reno** VR184



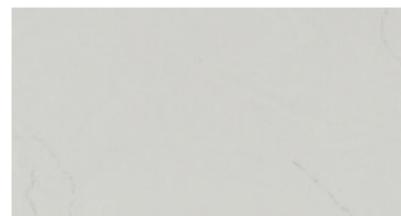
**Cloudbank** VC118



**Ocean View** VO171 



**Dawn** VD126



**Urban Grey** VU127



**Ash Concrete** VA129



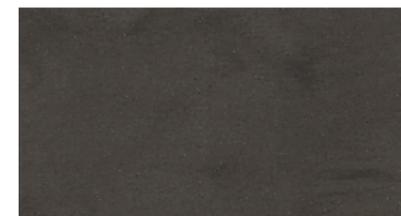
**Flux** VF113



**Natural Bridge** VN144



**Loam** VL155



**Noir Concrete** VN180

## TEMPEST



Meteor FM111



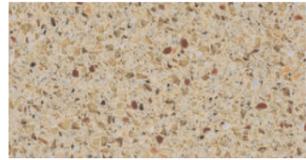
Coconut FC112



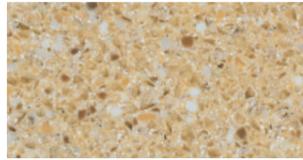
Twilight FT113



Bamboo FB173



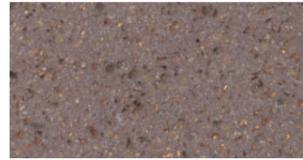
Caraway FC155



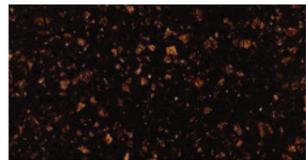
Rattan FR124



Glimmer FG144



Bronzestar FB154

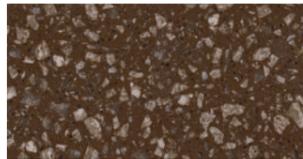


Radiance(Shimmer) FR148

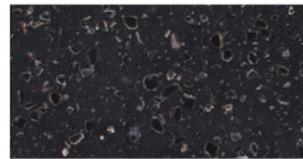
## QUARRY



Mosaic Dalmatian QD212

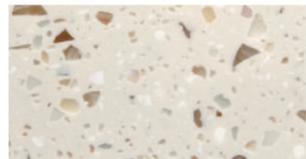


Earthen Bark QL257

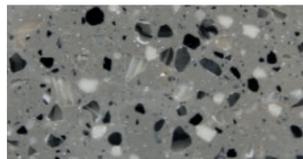


Mosaic Nimbus Qn287

## TERRAZZO



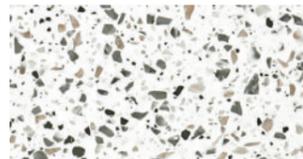
NEW Terrazzo Bologna NT970



NEW Terrazzo Torino NT981

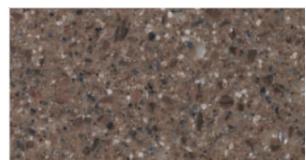


NEW Terrazzo Como FT191



Terrazzo Venezia NT150

## CRYSTAL



Crystal Sundance NS955

## METALLIC



Metallic Yukon EY510



Metallic Sleeksilver(N) ES582



Metallic Atrous EA599

## SOLID



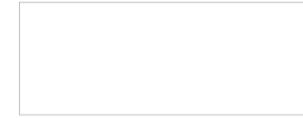
NEW Ultramarine SU067



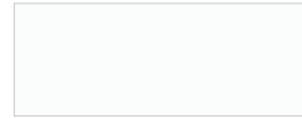
NEW Forest SFO61



NEW Piano Black GP790



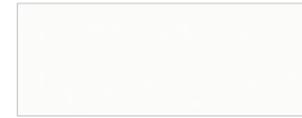
Dazzling White SD001



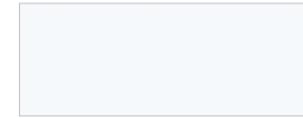
Bright White BW010



Pearl SP011



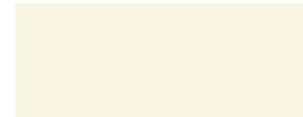
Pure white SP016



Quasar White SQ019



Fog SFO20



Natural SVO41



Ivory SIO40



Sunflower(N) SS042



California Poppy(N) SC052



Univers(N) SU053



Serene SS023



Iris SIO56



Onyx ON095

## SANDED



Sanded Icicle SI414



Sanded Dover SD413



Sanded Cream SM421



Sanded Birch SB412



Sanded White Pepper WP410



Sanded Linen SL443



Sanded Sahara SS440



Sanded Gold Dust SG441



Sanded Papyrus SP474



Sanded Vermillion SV430



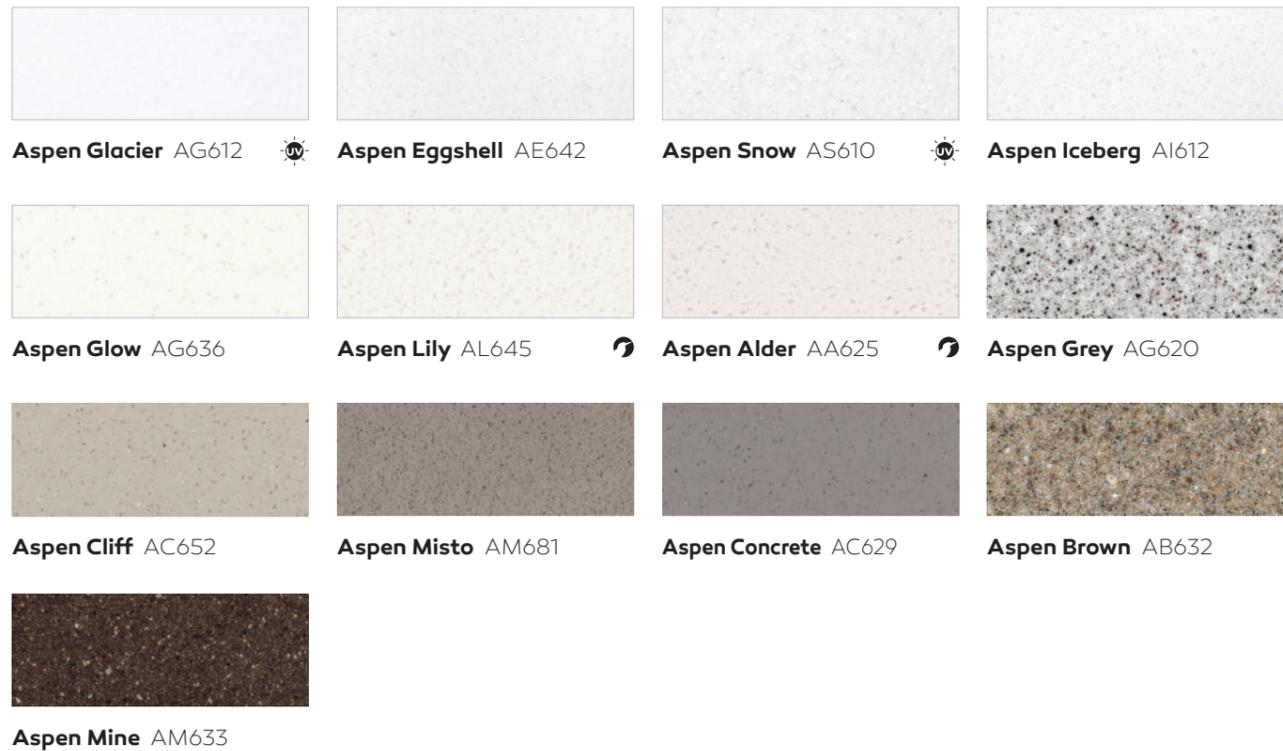
Sanded Mint SM463



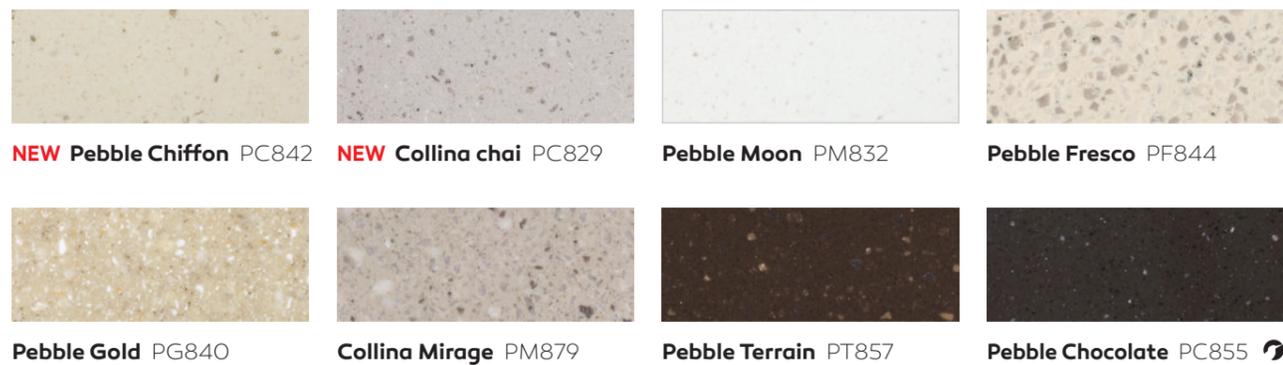
Sanded Heron SH428



**ASPEN**



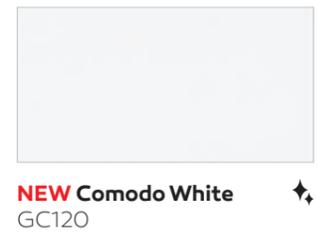
**PEBBLE**



**FLAME RETARDANT SUPER FLEX EVERMOIN(ANTIMICROBIAL)**



**SELF-CLEANING**



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

- Translucent
- Antimicrobial
- Exterior Material
- Flame Retardant
- Self Cleaning
- Eco-Friendly
- Super Flex



# 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:

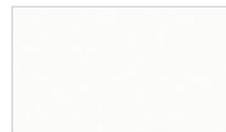
## COLOR OPTIONS



**Bright White** BW010

**Pearl** SP011

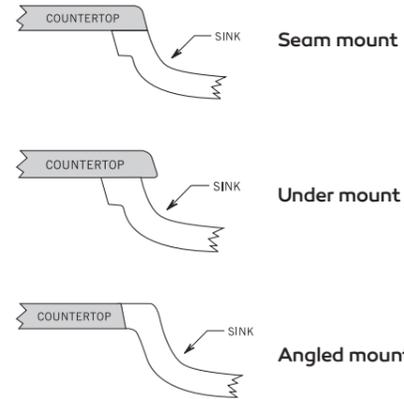
**Ivory** SIO40



**Pure white** SP016

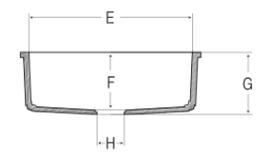
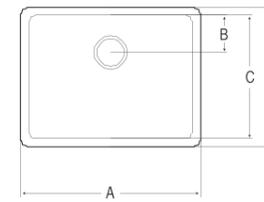
**Quasar White** SQ019

## MOUNTING OPTIONS



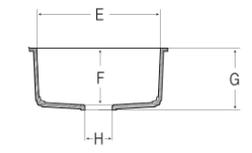
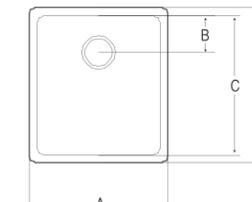
## NEW

**B1212**



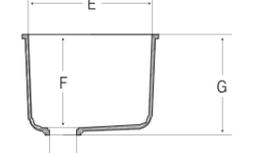
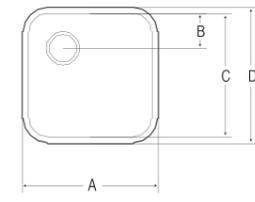
- A 22.87in (581mm)
- B 4.8in (122mm)
- C 15.74in (400mm)
- D 17.75in (451mm)
- E 20.86in (530mm)
- F 7.28in (185mm)
- G 7.87in (200mm)
- H 3.54in (90mm)

**B1177**



- A 17.71in (450mm)
- B 4.72in (120mm)
- C 17.71in (450mm)
- D 19.68in (500mm)
- E 15.74in (400mm)
- F 7.28in (185mm)
- G 7.87in (200mm)
- H 3.54in (90mm)

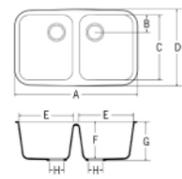
**B1160**



- A 17.32in (440mm)
- B 4.4in (112mm)
- C 15.74in (400mm)
- D 17.32in (440mm)
- E 15.74in (400mm)
- F 11.81in (300mm)
- G 12.79in (325mm)
- H 3.54in (90mm)

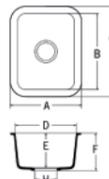
## KITCHEN / UTILITY SINKS

**A2311**



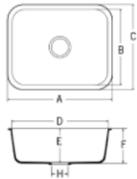
- A 31.25in (794mm)
- B 4.33in (110mm)
- C 16.57in (421mm)
- D 18.93in (481mm)
- E 13.70in (348mm)
- F 9.25in (235mm)
- G 9.84in (250mm)
- H 3.54in (90mm)

**A1121**



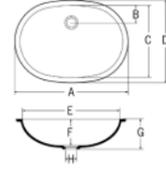
- A 12.83in (326mm)
- B 14.01in (356mm)
- C 16.37in (416mm)
- D 10.47in (266mm)
- E 6.49in (165mm)
- F 7.08in (180mm)
- G 3.54in (90mm)

**A1231**



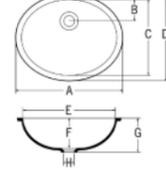
- A 23.30in (592mm)
- B 16.61in (422mm)
- C 18.97in (482mm)
- D 20.94in (532mm)
- E 7.36in (187mm)
- F 7.95in (202mm)
- H 3.54in (90mm)

**A3211**



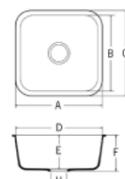
- A 21.57in (548mm)
- B 3.38in (86mm)
- C 14.01in (356mm)
- D 15.59in (396mm)
- E 20.00in (508mm)
- F 6.14in (156mm)
- G 6.81in (173mm)
- H 1.77in (45mm)

**A3181**



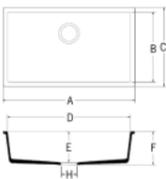
- A 18.18in (462mm)
- B 3.70in (94mm)
- C 13.22in (336mm)
- D 14.80in (376mm)
- E 16.61in (422mm)
- F 5.47in (139mm)
- G 6.14in (156mm)
- H 1.77in (45mm)

**A1181**



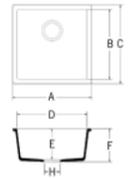
- A 18.11in (460mm)
- B 15.75in (400mm)
- C 18.11in (460mm)
- D 15.75in (400mm)
- E 8.18in (208mm)
- F 8.85in (225mm)
- H 3.54in (90mm)

**B3290**



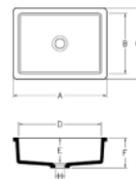
- A 29.52in (750mm)
- B 15.75in (400mm)
- C 17.64in (450mm)
- D 27.48in (700mm)
- E 7.28in (185mm)
- F 7.87in (200mm)
- H 3.54in (90mm)

**B3180**



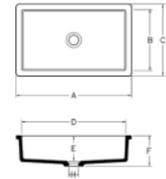
- A 17.67in (450mm)
- B 15.75in (400mm)
- C 17.67in (450mm)
- D 15.75in (400mm)
- E 6.89in (175mm)
- F 7.48in (190mm)
- H 3.54in (90mm)

**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)

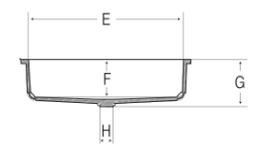
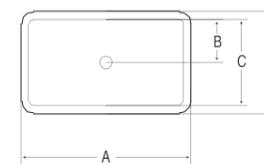
**B3190**



- A 20.63in (524mm)
- B 10.79in (274mm)
- C 12.87in (327mm)
- D 18.66in (474mm)
- E 4.57in (116mm)
- F 5.43in (138mm)
- H 1.77in (45mm)

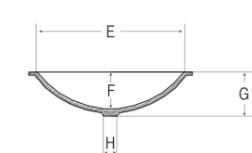
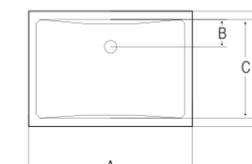
## LAVATORY SINKS / BASINS

**B3200**



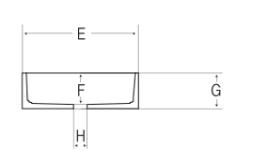
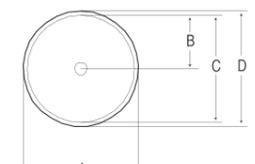
- A 21.65in (550mm)
- B 5.51in (140mm)
- C 11.02in (280mm)
- D 12.99in (330mm)
- E 19.68in (500mm)
- F 4.72in (120mm)
- G 5.51in (140mm)
- H 1.73in (44mm)

**B3192**



- A 20.86in (530mm)
- B 3.5in (89mm)
- C 12.59in (320mm)
- D 14.56in (370mm)
- E 18.89in (480mm)
- F 4.76in (121mm)
- G 5.55in (141mm)
- H 1.73in (44mm)

**A3148**



- A 14.8in (376mm)
- B 6.88in (175mm)
- C 13.77in (350mm)
- D 14.8in (376mm)
- E 13.77in (350mm)
- F 3.81in (97mm)
- G 4.52in (115mm)
- H 1.73in (44mm)

# PERFORMANCE PROPERTIES

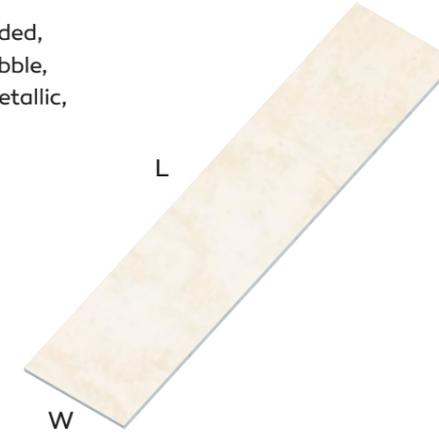
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PROPERTY	TEST RESULT	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.5%	ASTM D 638
Hardness	92 Rockwell "M" Scale 65 Barcol impressor	ASTM D 785 ASTM D 2583
Thermal expansion	2.0x10 <sup>-5</sup> in/in F°	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 Patterened 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 (Patterened color)	Pittsburgh test protocol (LC50 Test)

## PRODUCT DIMENSIONS

### COLLECTION

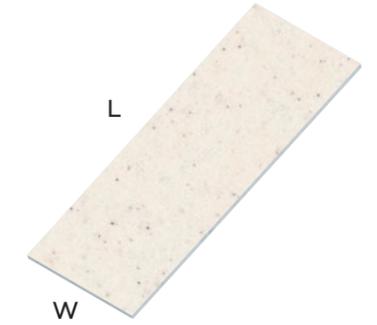
Solid, Sanded,  
Aspen, Pebble,  
Quarry, Metallic,  
Tempest,  
Supreme



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

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