

# Staron Benefits 8





# 01

# Dependable performance

# Innovation meets superior standard

No colour or texture painting required



Properties	Staron	Polyester	Laminate	Test Method *
Flammability	Class A / Class 1	Not classifiable if SDI 450	Class A / Class 1	UBC 8-1
Flame spread	10	25	25	ASTM E 84
Smoke density	10	500	100	ASTM E 84

\* Standard in USA : ASTM E 84

※ 본 문서는 "롯데첨단소재" 보안문서로 무단 복사/반출을 금지합니다.

# Offering higher performance to suit commercial environments



Staron

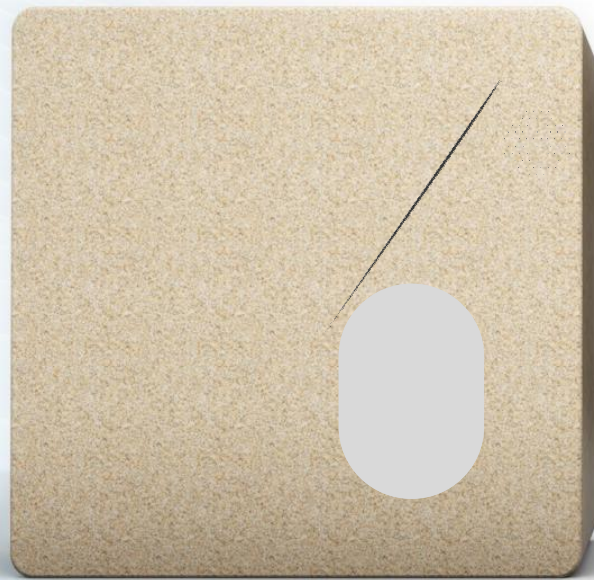
VS



Laminate



Staron is a homogenous material  
which allows the surface to be easily restored



Staron

VS



Laminate

# Light and strong

Versatility of Staron Solid surface allows unique applications

Properties	Staron	Polyester	Laminate	Test Method
Tensile Strength	6,000	4,000	Not available	ASTM D 638
Flexural Strength	10,000	8,000	Not available	ASTM D 790
Flexural Modulus	1,000,000	1,000,000	Not available	ASTM D 790
Elongation	0.5%	0.4%	Not available	ASTM D 638
Hardness Testing Result	92	-	-	-

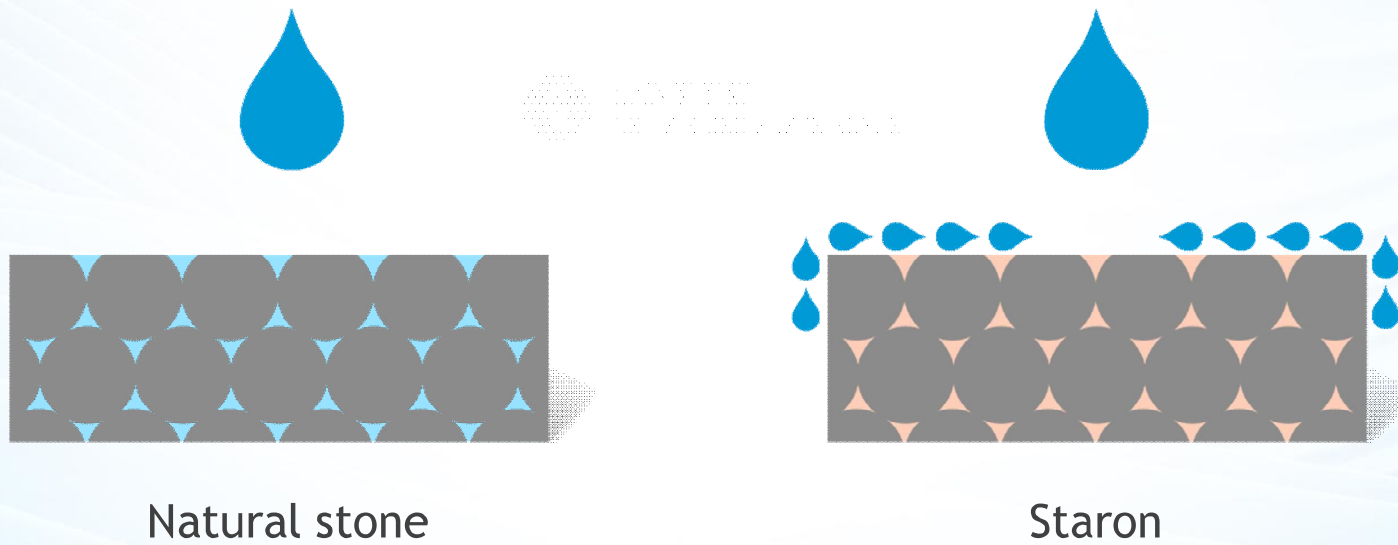


02

# Keeping the surface hygienic

Designed with end-users in mind, Your environment  
can be protected from the growth of bacteria or fungi

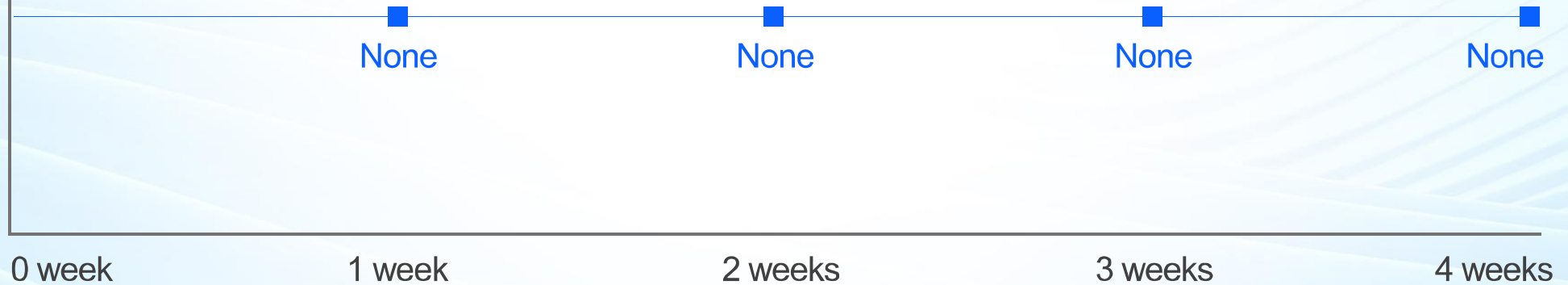
# Non-porous material



# Inhibition of bacteria, fungi

Test result – No growth ( 4 weeks)

Aspergillus Niger (ATCC 9642)  
Penicillium Pinophilum (ATCC 11797)  
Chaetomium Globosum (ATCC 6205)  
Gliocladium Virens (ATCC 9645)  
Aureobasidium Pullulans (ATCC 15233)



Culture Condition : 96.8+/- 1.8°F(36 +/- 1°C), 90% RH, 21 days

# Resistant to harsh chemicals

LOTTE | staron®  
Solid Surfaces



Soap



Nail polish



Blood



Lipstick



Tomato juice



Ketchup



Coffee



Soy sauce



Vinegar



Wine





# Easy to maintain

LOTTE | staron®  
Solid Surfaces



Soap



Nail polish



Blood



Lipstick



Tomato juice



Ketchup



Coffee



Soy sauce



Vinegar



Wine

03

# Dimensional flexibility

Bringing another layer of depth & sophistication

# Thermoforming

<u>Colour group</u>	<u>Staron thickness</u>	<u>Value of the minimum round</u>
Solid, Sanded	6 mm	25 mm
	12 mm	76 mm
Aspen, Pebble	6 mm	102 mm
	12 mm	127 mm
Quarry, Metallic	12 mm	203 mm

# Thermoforming

Incorporate 2D/3D shapes and designs



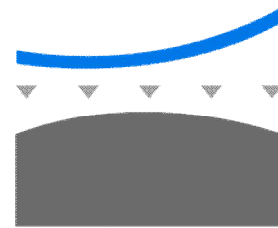
Mold making



Staron sheet



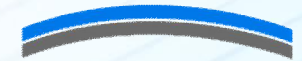
Oven heating



Placing



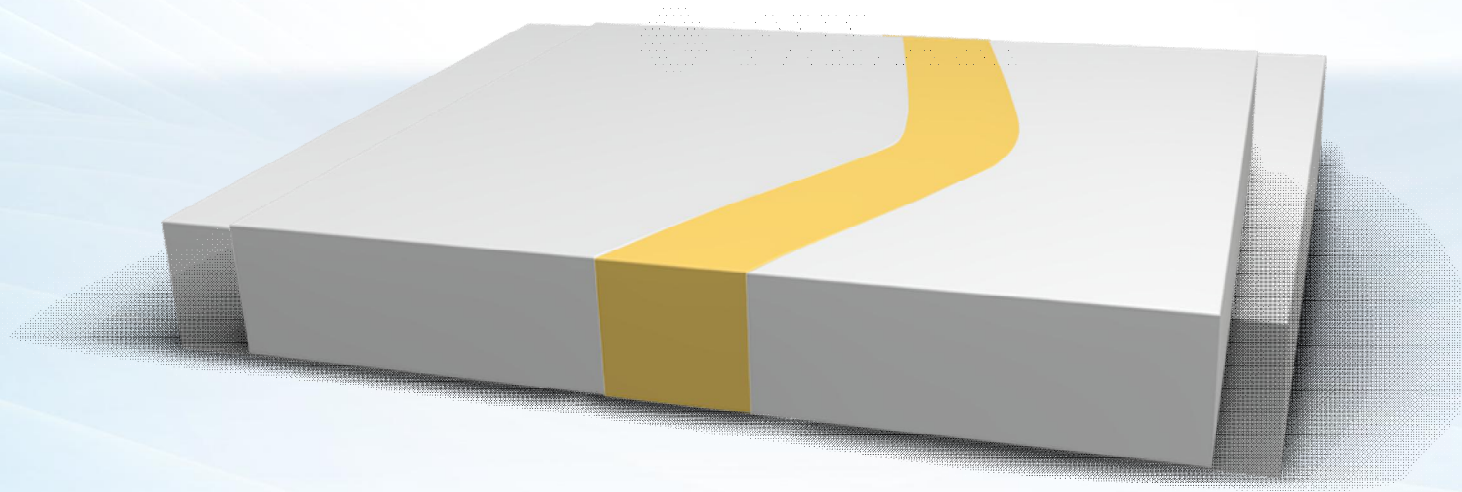
Forming



Shaping

LOTTE | staron®  
Solid Surfaces

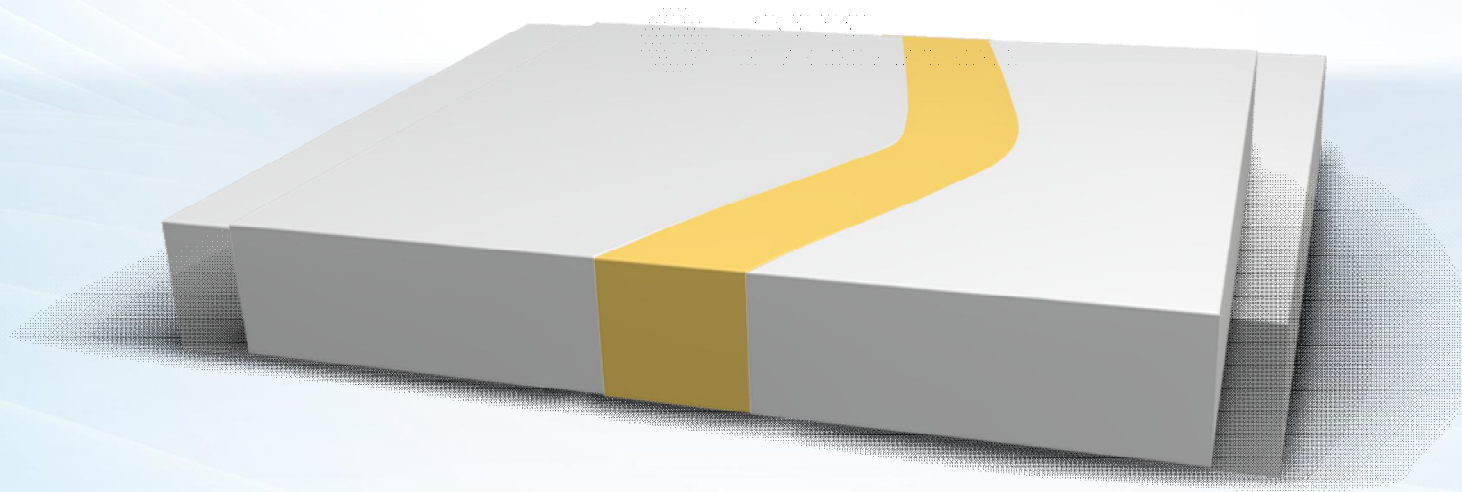
# Excellent workability



Easy to cut



# Excellent workability



Easy to glue



# Edge treatments



Half Bullnose



Full Bullnose



Demi Bullnose



Ogee



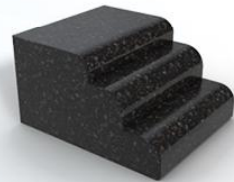
Cove Ogee



Straight



Stair Thread



Water fall



Single Imperial



5mm Round



10mm Bevel



5mm Round T&B

# Aesthetic expression

LOTTE | staron®  
Solid Surfaces



LOTTE | staron®  
Solid Surfaces

An abstract background featuring vibrant, multi-colored ink splashes in shades of yellow, red, purple, and blue, set against a dark grey gradient. The ink forms intricate, flowing patterns that resemble liquid art.

# 04 Infinite range of colours





## Natural ~ Vivid

Staron offers over 160 range of colours



World's first "Jewel-like"  
Solid surface material

tempest®

 LOTTE | staron  
Solid Surfaces





Extension of nature  
Re ; Boosting

*Supreme*<sup>™</sup>





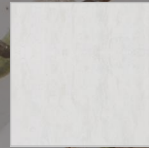
Delphi  
VD111



Morning Sky  
VM114



Cotton White  
VC110



Cloudbank  
VC118



Beige Granite  
VB172



Pastoral  
VP177



Loam  
VL155



Natural Bridge  
VN144



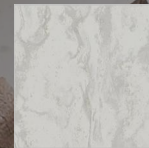
Dandelion  
VD175



Magnolia  
VM143



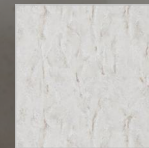
Presto  
VP159



Dawn  
VD126



Urban Grey  
VU127



Ocean View  
VO171

## Extension of nature Re ; Boosting

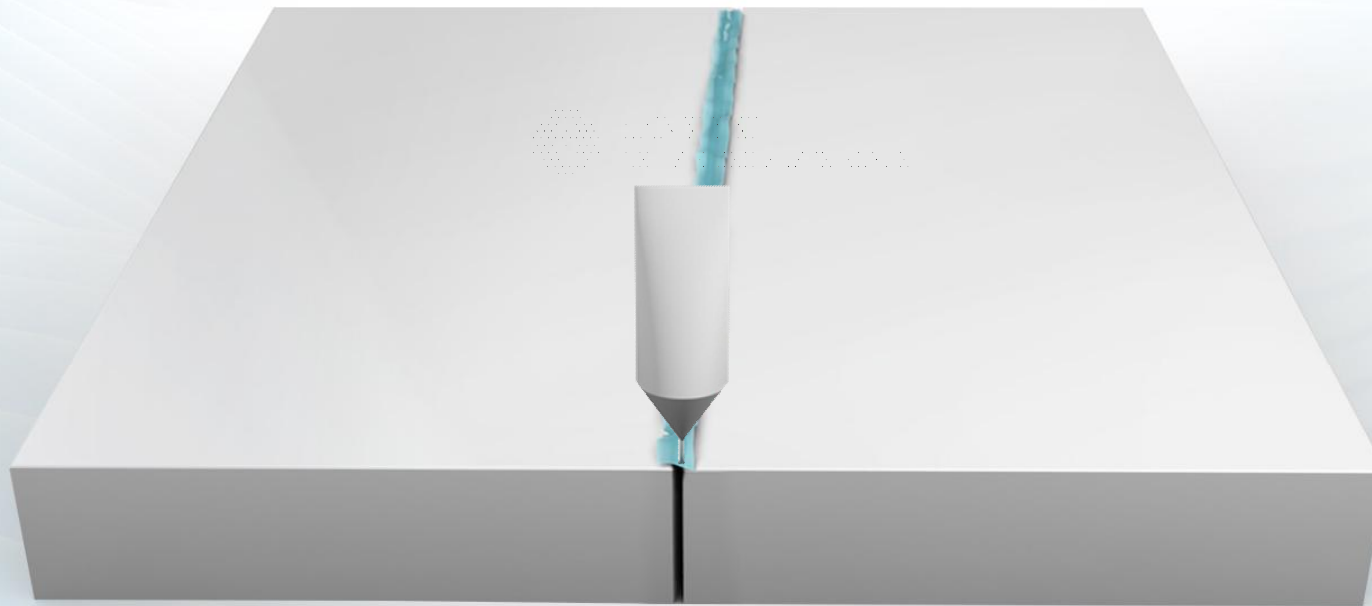
*Supreme™*

# 05 Seamless

Seamless surface without colour variation

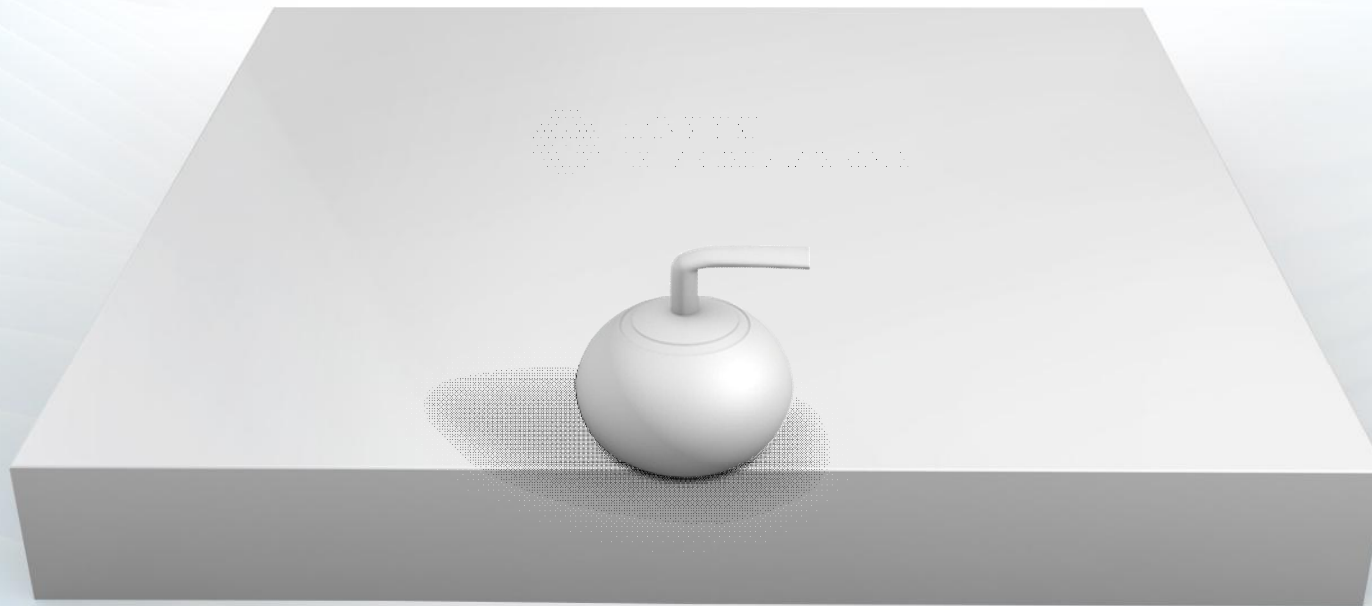
# Seamless joint

Smooth design surface that does not show seams and creates a unified surface



# Seamless joint

Smooth design surface that does not show seams and creates a unified surface





# Colour consistency

1 sheet

300 sheets

300 sheets of  
the same colour  
(within one batch)

150 sheets

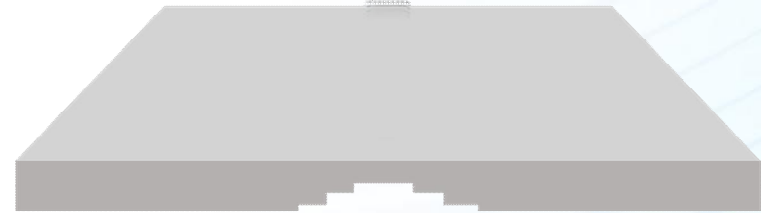
# 06 Illuminating the environment



# Brightness control

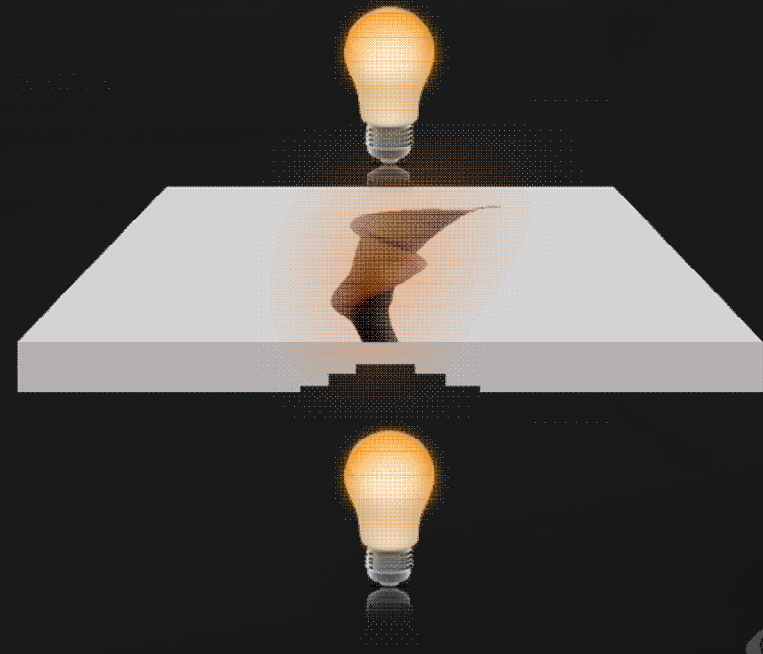
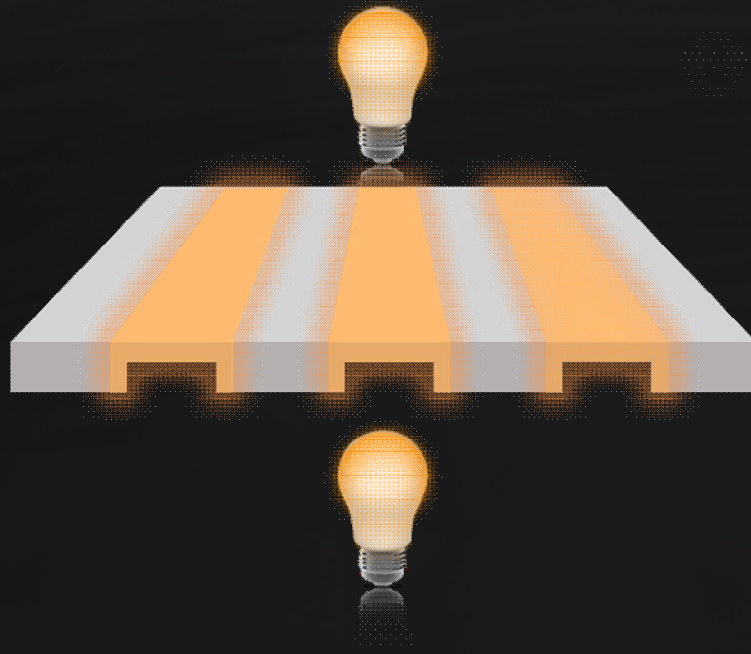
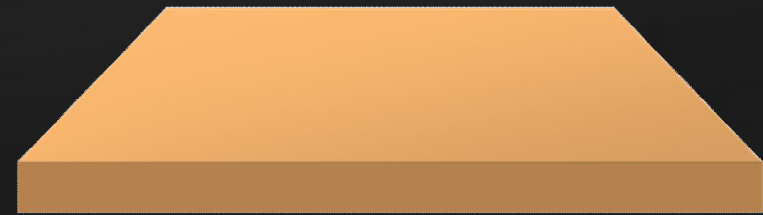
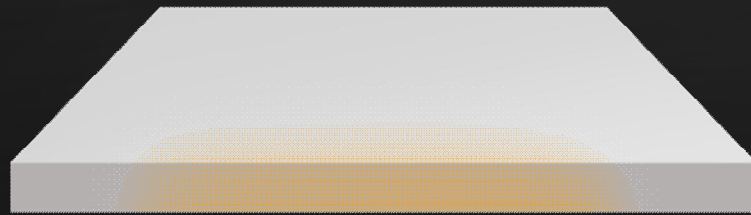


Modify the thickness to control specific lighting effects

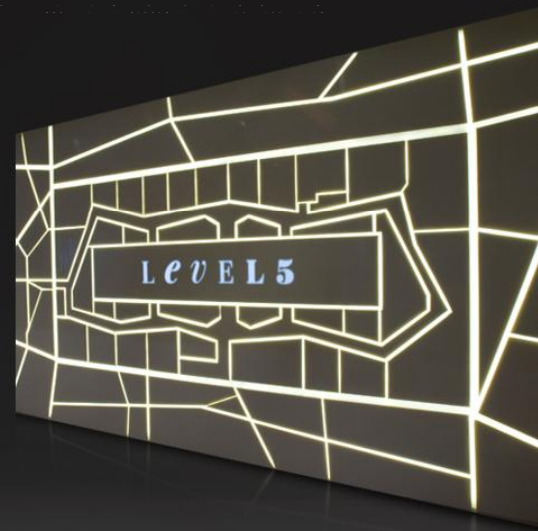
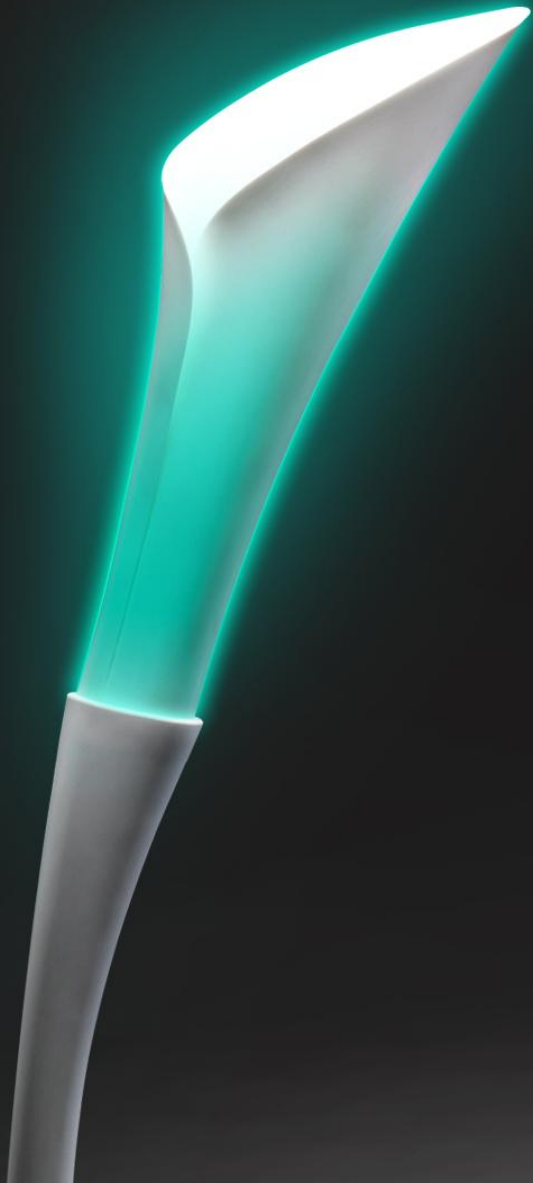


Include shapes and designs to bring out various focal points of the area

# Brightness control



Possibilities are endless.  
From simple texts to  
unique shapes and curves,  
architects and designers can turn  
their conceptual designs into  
real applications



Delivering the latest look is the key. By embedding backlighting effects with Staron, the audiences will not be disappointed with the setting.





Delivering the latest look is the key. By embedding backlighting effects with Staron, the audiences will not be disappointed with the setting.





# 07 Global network

# Global network

7 major overseas districts, 180 distribution channels





# Global network

7 major overseas districts, 180 distribution channels





# Global clients



# 08 Excellent quality

# Excellent quality control

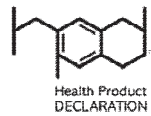


**10 years**



**Long term  
warranty**





staron®  
Solid Surfaces



# staron

## The benefits of Solid surface

01

### Dependable performance

- Innovation meets superior standard
- Homogenous material
- Light and strong

02

### Keeping the surface hygienic

- Non-porous material
- Resistant to harsh chemicals
- Easy to maintain

03

### Dimensional flexibility

- Thermoforming possibility
- Excellent workability
- Various edge treatments
- Precise expression

04

### Infinite range of colours

- Natural ~ vivid colours
- Vein Pattern 'Supreme Collection'
- World's first "Jewel-like" Tempest material
- Collaboration

05

### Seamless

- Seamless joint
- Colour consistency

06

### Illuminating the environment

- Brightness control
- Possibilities are endless. Form simple texts to unique shapes and curves
- By embedding backlighting effects with Staron, the audiences will not be disappointed with the setting

07

### Global network

- Global network
- Global clients

08

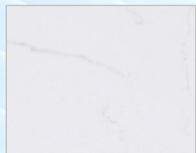
### Excellent quality

- Excellent quality control
- Long term warranty
- Certificates

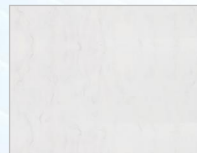
# Colours of Staron

*Supreme™*

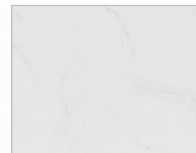
The Supreme collection is a next-generation solid surface choice with beautiful, flowing veined patterns that resemble those found in natural stone



Cotton White  
VC110



Delphi  
VD111



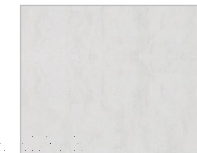
Morning Sky  
VM114



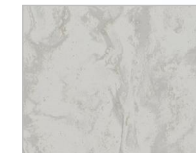
Beige Granite  
VB172



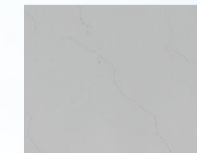
Loam  
VL155



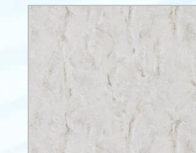
Cloudbank  
VC118



Dawn  
VD126



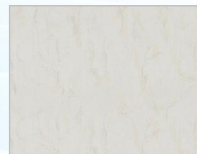
Urban Grey  
VU127



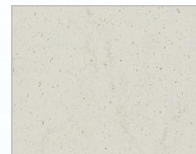
Ocean View  
VO171



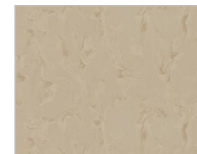
Dandelion  
VD175



Magnolia  
VM143



Natural Bridge  
VN144



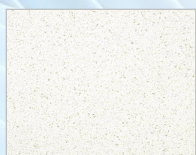
Pastoral  
VP177



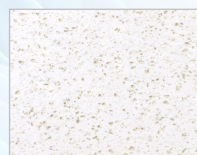
# Colours of Staron

## TEMPEST

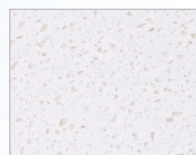
Staron's premium solid surface, Tempest offers a degree of transparency that displays graceful patterns and reflected light.



Meteor  
FM111



Peak  
FP100



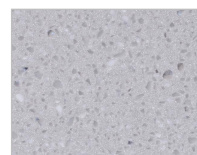
Polar  
FP111



Rattan  
FR124



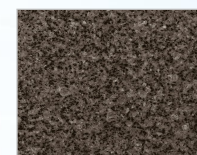
Genesis  
FG174



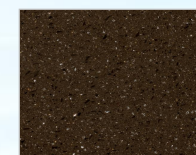
Silvercloud  
FS122



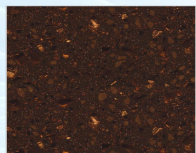
Sonoma  
FS143



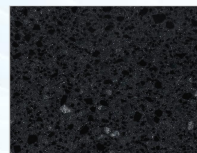
Zenith  
FZ184



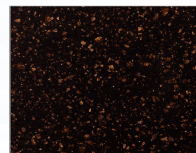
Adamantine  
FA159



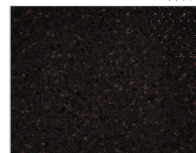
Blaze  
FB147



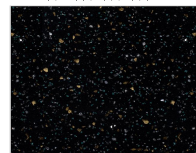
Caviar  
FC188



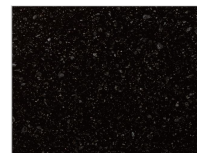
Radiance(shimmer)  
FS137



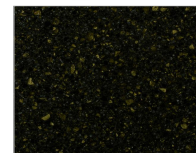
Coffee Bean  
FC158



Dazzle  
FD191



Starfire  
FS198

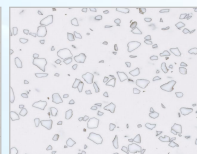


Gold Leaf  
FG196

## QUARRY



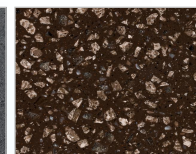
Quarry Oyster  
TO310



Mosaic Dalmatian  
QD212



Quarry Starred  
QS287

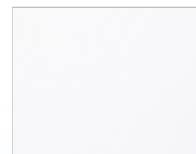


Earthen Bark  
QL257

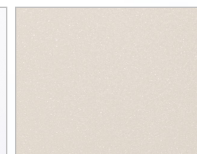


Quarry Minette  
QM289

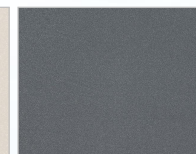
## METALLIC



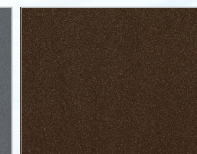
Metallic Yukon  
EY510



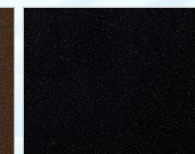
Metallic Beach  
EB545



Metallic Sleeksilver  
SM453



Metallic Satingold  
ES558

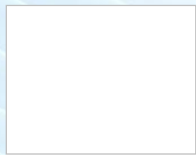


Metallic Galaxy  
EG595

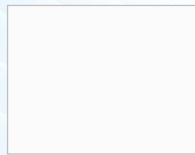


# Colours of Staron

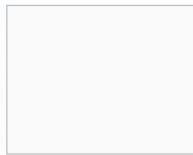
## SOLID



Dazzling White  
SD001



Pearl  
SP011



Bright White  
FM111



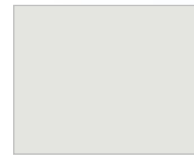
Pure White  
SP016



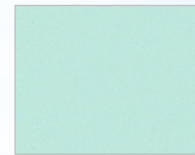
Quasar White  
SQ019



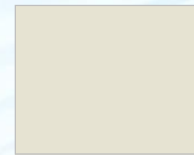
Natural  
SV041



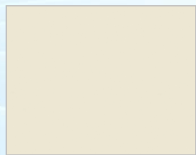
Fog  
SF020



Cool Mint  
SC063



Ivory  
SI040



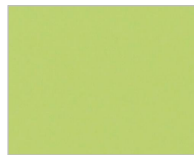
Tusk  
ST015



Placid  
SP062



Mist  
SM022



Oasis  
SO064



Sunflower(N)  
SS042



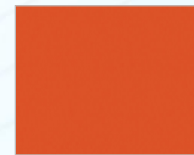
Univers(N)  
SU053



Bliss  
SB022



Serene  
SS023



California Poppy(N)  
SC052



Steel  
ST023



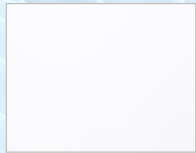
Iris  
SI056



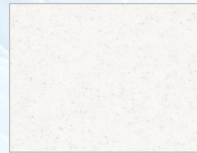
Onyx  
ON095

# Colours of Staron

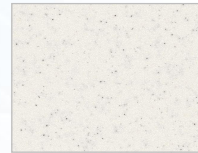
## SANDED



Sanded Icicle  
SH14



Sanded Cream  
SM421



Sanded Birch  
SB412



Sanded White Pepper  
WP410



Sanded Cornmeal  
SC430



Sanded Sahara  
SC440



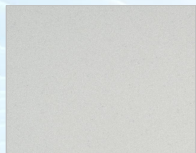
Sanded Papyrus  
SP474



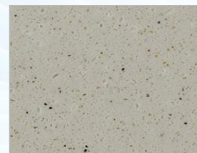
Sanded Gold Dust  
SG441



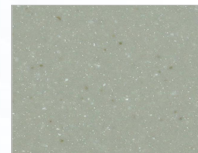
Sanded Vermillion  
SV430



Sanded Stratus  
SS418



Sanded Grey  
SG420



Sanded Meadow  
SM456



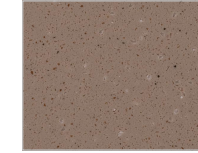
Sanded Oatmeal  
SO446



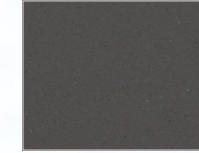
Sanded Heron  
SH428



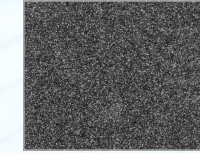
Sanded Tundra  
ST482



Sanded Clay  
SC475



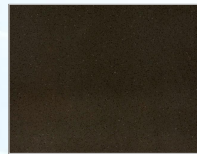
Sanded Taupe  
ST486



Sanded Dark Nebula  
DN412



Sanded Mocha  
SM453



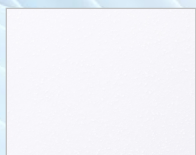
Sanded Chestnut  
SC457



Sanded Onyx  
SO423

# Colours of Staron

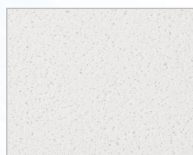
## ASPEN



Aspen Glacier  
A612



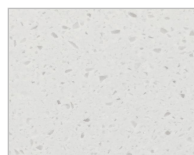
Aspen Fiesta  
AF611



Aspen Lily  
DN412



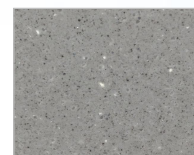
Aspen Snow  
AS610



Aspen Alder  
AA625



Aspen Pepper  
AP640



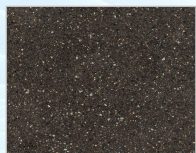
Aspen Concrete  
AC629



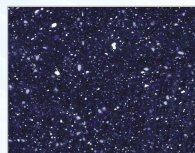
Aspen Brown  
AB632



Aspen Pond  
AP665



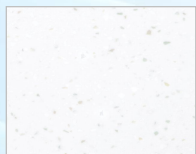
Aspen Mine  
AM633



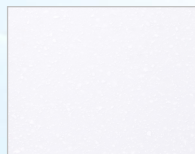
Aspen Sky  
AS670



## PEBBLE



Pebble Swan  
SG420



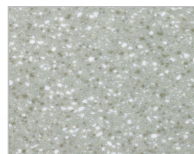
Pebble Ice  
PI811



Pebble Saratoga  
PS820



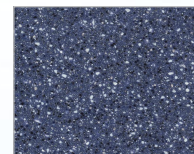
Pebble Gold  
PG840



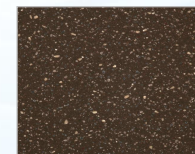
Pebble Aqua  
PA860



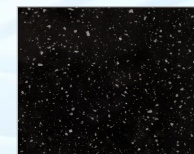
Pebble Grey  
PG810



Pebble Blue  
PB870



Pebble Terrain  
SH428



Pebble Ebony  
PE814



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