



# Kitchen

Architectural Manual

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



Brumer Kuchen in Germany

For you and your  
loved ones,  
we bring special  
joy to the kitchen area.



#### Elegant textures and variety of colors

Staron materials exceed natural translucent marbles with its warm, soft textures elevating any interior design of the highest quality. Upgrade your interiors with any imaginable design idea that can be expressed by the myriad of colors and patterns.

#### Strict quality control

Samsung SDI Chemical has strict quality control standards in order to supply superior products. We will present Staron's consistent properties and satisfy you with a stable quality.

#### Excellent workability and implementation of various designs

Staron is extremely durable but also can be easily handled by using wood working tools and thermo processes to create various cuts and shapes. In addition, with the use of adhesives, seamless joints can be created. It also works harmoniously with other materials such as wood and metals and offer endless possibilities.

#### Non-porous highly hygienic material

Unlike natural stone surfaces, Staron is non-porous and impervious to moisture, making them highly resistant to bacterial growth. Most pollutants can be easily removed from the surface with soap and water.

**KITCHEN STYLE**

modern  
elegance  
simple  
activity

**Presenting you a premium kitchen.**





Kusshand in Korea



Kusshand in Korea



Kusshand in Korea

# modern

## Introducing Staron's high-quality kitchen finishes especially for you.

The kitchen is the most important space in a home where the whole family comes together to share their happiness and bolster dreams. It is where you hold special memories of your past, present and future. Upgrade this special space with Staron solid surface.



**Certified eco-friendly, Staron creates for you a comfortable and safe environment**

Staron has been tested for various certifications. Staron is accredited with Greenguard and certified to be low-emitting material that leads to better air quality indoors. Staron also received Scientific Certification Systems (SCS) certification for environmental management systems and other operations. We are committed to not only environmentally friendly products but also promoting good health in our lives.



Isaloni 2011 in Italy

# elegance

## Variety of smooth seamless surfaces and curves

Staron is an impeccably flawless synthetic acrylic marble. No matter what shape is envisioned for the product, the smooth surfaces create a seamless finished design. These subtle features differentiate materials of high quality design.

In addition, a variety of curves can be added for a sleek, unique design that meets your needs.



Euro Cucina in Italy



Kusshand in Korea



Kitchen in South Africa

Dakota Design in Switzerland

Isaloni 2011 in Italy

## Luminous transparent chips of Staron

Staron is the first transparent acrylic chip developed in the world. Using specialized coating technology, we offer a premium solid surface. In addition, based on a systematic color system, we are committed to capturing a designer's thoughts and feelings.



## Capable of processing various shapes of Staron

Staron materials can easily accommodate the designer's vision. It allows for easier CNC machine use to freely design a unique shape. Surface treatments and variety of shapes can be freely changed to the design requirements.

### The possibilities of thermoformed surfaces

Pattern	Thickness(mm)	Min. Inside radius(R)
Solid, Sanded	6mm	25mm
	12mm	76mm
Aspen, Pebble	6mm	102mm
	12mm	127mm
Quarry, Metallic	12mm	203mm

Euro Cucina in Italy



Euro Cucina in Italy



Euro Cucina in Italy





Isaloni 2011 in Italy

# simple

## Smart material choice with easy restoration and maintenance

Due to its durability, it is easy to restore in the event there is a crack or damage to material. While cooking in the kitchen, you have probably damaged the tops of your counters with knives and cookware. Staron solid surface can be easily restored to make your kitchen new again.



Euro Cucina in Italy



Kitchen Showroom in meil in France





Euro Cucina in Italy



Euro Cucina in Italy



## Staron exceeds safe interior material requirements with its fire retardant Class A grade

Staron was tested for fire/flammability which yielded the following results: 10 for flame spread, 10 for smoke density. Compared to other materials such as gypsum boards, laminates, and hardboards, Staron has low flammability and safe for families and suitable for kitchen décor. In addition, the smoke density is lower than most materials and responds quickly to fire retardants.

- **Testing method**

ASTM E84 (Surface burning characteristics of building materials)

- **Staron results**

**Class A** (Flame spread 10, Smoke density 10)

- **Other test results**

Item	Flame spread	Smoke density
Drywall (Gypsum board)	15	0
Wood Particle Board	155	200
<b>STARON</b>	<b>10</b>	<b>10</b>
Glass Fiber Panels	70	500+
Laminates, Plastics	70	35
Hard Board	150	400



Design by Darren James, Queensland, Australia



Kitchen Jungkind in Switzerland

# activity

## Durable material resistant to surface damage

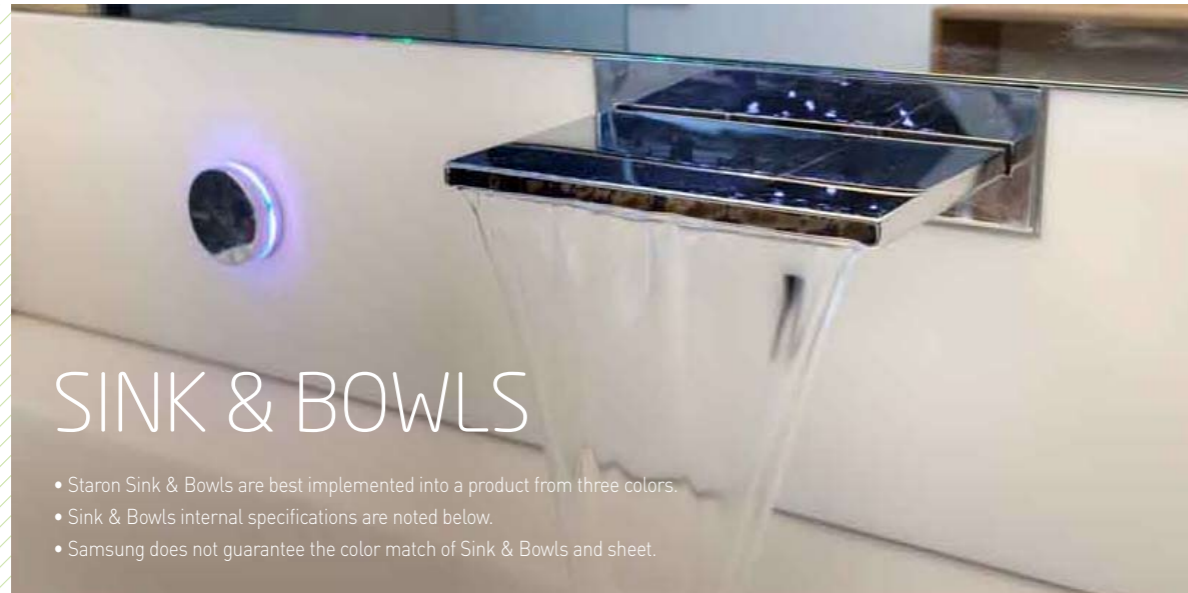
Staron solid surface is a durable material that can easily withstand heavy surface use and is impact resistant. In case of damage or cracks, the surface is easily repaired as if new. In addition, the non-porous surface is impervious to moisture, making them highly resistant to bacterial growth. Whether you are designing an RV, yacht or a confined space for a variety of activities, it is a sanitary material choice.



Camping Car in Germany



Ovation Yacht in U.S.A



# SINK & BOWLS

- Staron Sink & Bowls are best implemented into a product from three colors.
- Sink & Bowls internal specifications are noted below.
- Samsung does not guarantee the color match of Sink & Bowls and sheet.



## LAVATORY SINKS / BASINS

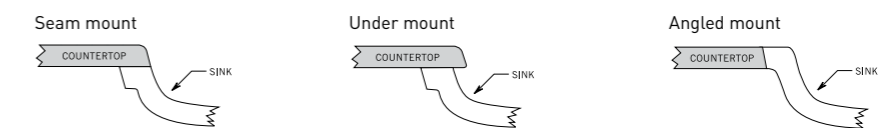
<p><b>A3201</b></p>	<p><b>A3211</b></p>	<p><b>A3181</b></p>
<p>A 20-3/8" [517mm]                  B 3-3/8" [86mm]                  C 13-5/8" [346mm]                  D 15-3/16" [386mm]                  E 18-13/16" [477mm]                  F 5-1/2" [140mm]                  G 6-3/16" [157mm]</p>	<p>A 21-9/16" [548mm]                  B 3-3/8" [86mm]                  C 14" [356mm]                  D 15-9/16" [396mm]                  E 20" [508mm]                  F 6-1/8" [156mm]                  G 6-13/16" [173mm]</p>	<p>A 18-3/16" [462mm]                  B 3-11/16" [94mm]                  C 13-1/4" [336mm]                  D 14-13/16" [376mm]                  E 16-5/8" [422mm]                  F 5-1/2" [139mm]                  G 6-1/8" [156mm]</p>

## KITCHEN / UTILITY SINKS

<p><b>A2311</b></p>	<p><b>A2321</b></p>	<p><b>A2341</b></p>
<p>A 31-1/4" [794mm]                  B 4-15/16" [110mm]                  C 16-9/16" [421mm]                  D 18-15/16" [481mm]                  E 13-11/16" [348mm]                  F 13-11/16" [348mm]                  G 9-1/4" [235mm]                  H 9-13/16" [250mm]</p>	<p>A 32-13/16" [834mm]                  B 8-13/16" [244mm]                  C 19-1/4" [488mm]                  D 21-9/16" [548mm]                  E 11-5/16" [287mm]                  F 17-9/16" [446mm]                  G 7-1/2" [191mm]                  H 9" [229mm]                  I 9-5/8" [244mm]</p>	<p>A 34-7/8" [886mm]                  B 8-3/8" [213mm]                  C 16-3/4" [426mm]                  D 19-1/8" [486mm]                  E 10" [254mm]                  F 21" [533mm]                  G 5" [127mm]                  H 7-1/2" [191mm]                  I 8-1/16" [206mm]</p>

<p><b>A1121</b></p>	<p><b>A1131</b></p>	<p><b>A1181</b></p>	<p><b>A1231</b></p>
<p>A 12-13/16" [326mm]                  B 14" [356mm]                  C 16-3/8" [416mm]                  D 10-3/8" [266mm]                  E 6-1/2" [165mm]                  F 7-1/16" [180mm]</p>	<p>A 13-7/16" [341mm]                  B 15-3/4" [400mm]                  C 18-1/8" [460mm]                  D 11-1/16" [281mm]                  E 5-1/4" [133mm]                  F 5-7/8" [148mm]</p>	<p>A 18-1/8" [460mm]                  B 15-3/4" [400mm]                  C 18-1/8" [460mm]                  D 15-3/4" [400mm]                  E 8-3/16" [208mm]                  F 8-7/8" [225mm]</p>	<p>A 23-5/16" [592mm]                  B 16-5/8" [422mm]                  C 19" [482mm]                  D 20-15/16" [532mm]                  E 7-3/8" [187mm]                  F 7-15/16" [202mm]</p>

## MOUNTING OPTIONS



**🧪 Chemical testing results**

We conducted chemical tests on various surface contaminations prone to exist in Kitchen. These contaminants were dropped onto the surface and covered with glass plates for 16 hours. Surfaces of these areas were then scrubbed with damp pads with detergent and tested for the results.



**Contaminants**

- Ketchup • Tomato sauce • Coffee
- Wine • Detergent • Olive oil
- Lemon juice • Mustard sauce
- Soybean milk • Tea • Lip stick



**Result**

Most pollutants can be easily removed from the surface with damp pad with neutral detergent.

**📊 Comparing Staron to other products**

Staron is durable but also easy to work with.

The differentiating advantages are its reliable quality and ease of use unlike other products.

Attributes	Staron solid surface	Polyester solid surface	Engineered stone	Granite	Stainless steel
Ease of maintenance/ Cleanability and repair	3	3	2	1	2
Does not support microbial growth	3	3	3	1	3
Nonporous smooth	3	3	3	1	3
Low flammability	3	2	3	3	3
Durable	3	3	3	3	3
Low VOC	3	3	3	3	3
Low smoke toxicity	3	1	3	3	3
Initial and life cycle cost effectiveness	3	3	3	1	2
Slip resistance-appropriate coefficient of friction	3	3	3	3	2
Ease of installation, demolition, replacement	3	3	1	1	2
Seamless appearance	3	3	1	1	3
Control of reflectivity	3	3	2	2	2
Option for color, pattern	3	3	3	2	2
Nontoxic, non-allergenic	3	3	3	3	3



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