

SAMSUNG

Bathroom

Architectural Manual

staron[®]
Solid Surfaces



Axia Collection in Switzerland

Staron,
we create spaces
where you can recharge
from the fatigue of
daily stress



Elegant textures and variety of colors

Staron materials exceed natural translucent stone 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

Cheil Industries 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.

REFRESH & CLEANLINESS

Start and end your day with Staron in an elegant bathroom

Bathroom design is sometimes referred to as the jewel of residential design. It is the most personal space where cleanliness is a requirement. It is where you start and end the day. Relieve the fatigue of daily stress in this space Staron offers you the best comfort and amenities.





REFRESH + Cleanliness

Seamless perfection

Staron surfaces are installed with imperceptible seams which prevent fungi and bacterial growth in these hard to reach areas. In addition, when installing bathroom furniture and walls, you can seamlessly connect components and increase the successful completion of your design.

Not only will Staron's sleek, stylish finishes add to the aesthetic value of your bathroom space but also deliver a safe and hygienic environment.



CLEANLINESS + Refresh

Staron, highlighting your bathroom

The most important criteria of a bathroom is the cleanliness. It should be a clean and pleasant environment that is hygienic. Staron is a hygienic and convenient material that is resistant to pollutants and stains. Unlike natural stone finishes and other materials, Staron solid surface is non-porous and impervious to water which prevents bacterial growth and other pollutants from penetrating the surface.

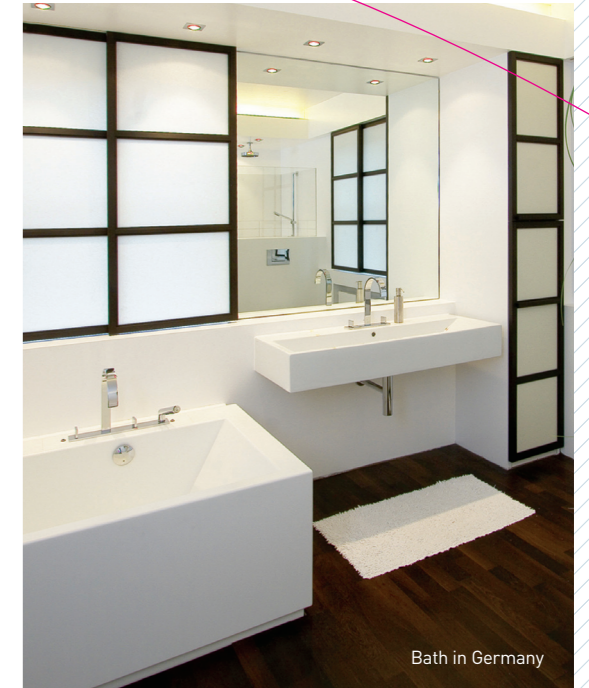
Excellent hygiene

Staron is a hygienically superior artificial marble. Fives species of bacteria were applied to Staron to measure the growth of bacteria in a 4 week period. Test results showed no growth during this period.

Test - ASTM G 21

- Determining resistance of synthetic polymeric materials of fungi
- Strains:
 - 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

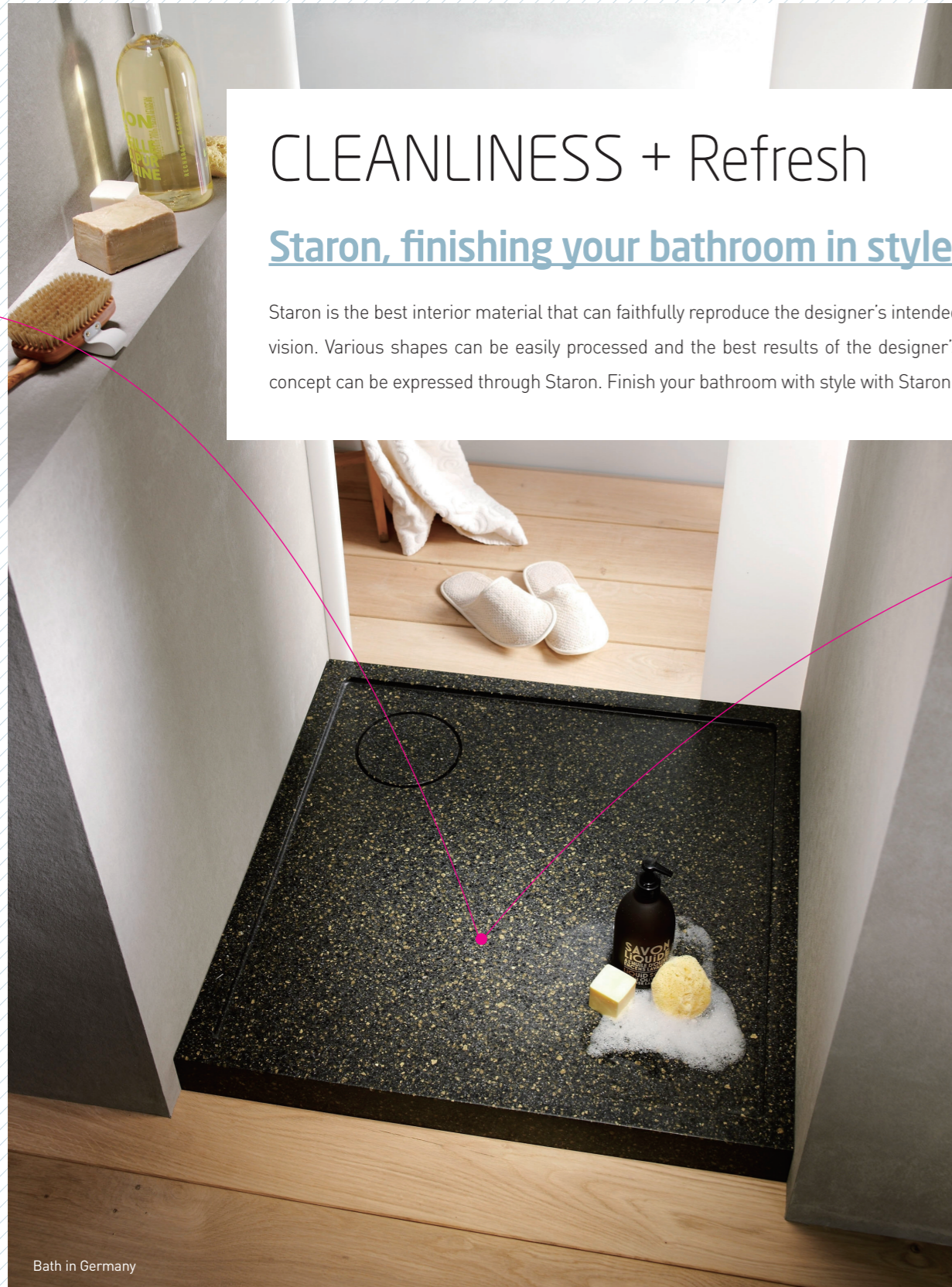
Test result - No growth (4 week result)



CLEANLINESS + Refresh

Staron, finishing your bathroom in style

Staron is the best interior material that can faithfully reproduce the designer's intended vision. Various shapes can be easily processed and the best results of the designer's concept can be expressed through Staron. Finish your bathroom with style with Staron.



Bath in Germany



Oe Sch Innenansban in Switzerland



Bath in Korea



Powderroom in Korea

Powderroom in Korea

CLEANLINESS + Refresh

Distinguished by numerous eco-friendly certifications,
Staron elevates your bathroom with new pride.

Staron's indoor vapor emissions of organic chemicals results received high marks as the best grade of eco-friendly building material. Through our certifications, we have raised the expectations of a bathroom to include an outstanding safety and quality standard.





CLEANLINESS + Refresh

Stylish finish, clean design

Upgrade your bathroom furniture with Staron. Refresh your bathroom with stylish finishes, colors and variety of designs. Staron helps you re-imagine a stylish bathroom.



REFRESH + Cleanliness

Designed according to the designer's idea

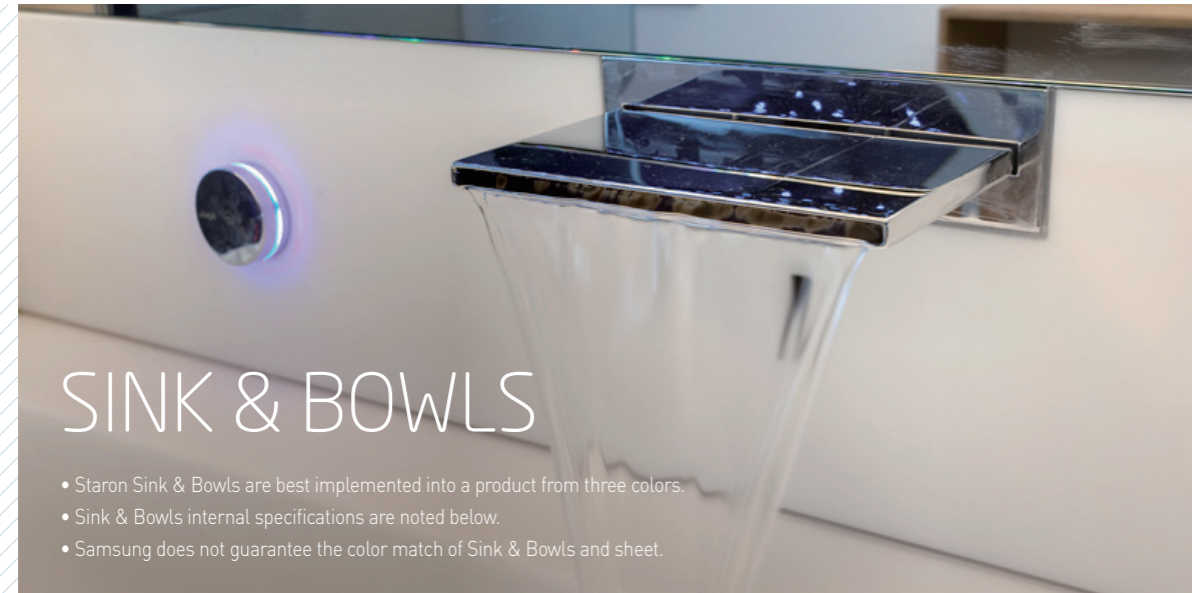
Staron is a smart choice for a material that can be thermoformed into the designers envisioned concepts. Bring your concepts to life by the use of this processing technique.

Thermoforming is the process of heating at a constant temperature to bend sections of Staron® sheets to create various desired shapes. The formability of Staron® allows designers to obtain many different shapes and curves.

Ambiance Bain in France

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



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

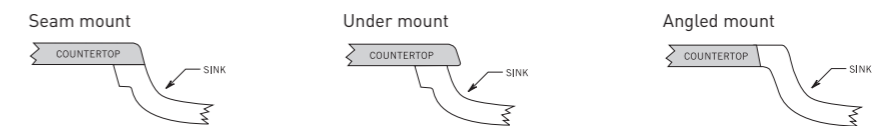
<p>A3201</p>	<p>A3211</p>	<p>A3181</p>
<p>A 20-3/8" [517mm] B 3-3/8" [86mm] C 13-5/8" [346mm] D 15-3/16" [386mm] E 18-13/16" [477mm] F 5-1/2" [140mm] G 6-3/16" [157mm]</p>	<p>A 21-9/16" [548mm] B 3-3/8" [86mm] C 14" [356mm] D 15-9/16" [396mm] E 20" [508mm] F 6-1/8" [156mm] G 6-13/16" [173mm]</p>	<p>A 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>A2311</p>	<p>A2321</p>	<p>A2341</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>A1121</p>	<p>A1131</p>	<p>A1181</p>	<p>A1231</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 Bathroom. 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

- Bath preparation
- Nail polish
- Dye
- Acentone
- Mineral oil
- Household soap



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



www.staron.com

SAMSUNG CHEMICAL (USA), INC.

14251 E. Firestone Blvd. La Mirada, CA 90638 U.S.A.
Tel : +1-562-926-5520, Fax : +1-562-926-9930
+1-800-795-7177

SAMSUNG CHEMICAL EUROPE GMBH

Am Kronberger Hang 6, Samsung House D-65824,
Schwalbach/Ts., Germany
Tel : +49-6196-667-403, Fax : +49-6196-667-467
Free Hotline in Germany : 0800-1-782766

DUBAI OFFICE

Samsung Chemical Europe Gmbh Dubai Rep. PO Box 48969
Flat No 2403, Al Shafar Tower 1, Tecom, Greens, Dubai, U.A.E.
Tel : +971-4-447-3411, Fax : +971-4-447-3412

SHANGHAI OFFICE

Rm2701, Shanghai International Trade Center,
2201 West Yan an Rd, Shanghai, China, 200336
Tel : +86-21-62703000-856, Fax : +86-21-62756882

SAMSUNG CHEMICAL (THAILAND) Co., Ltd.

16th Floor, Empire Tower, Unit 1602-1603, 195 South Sathorn Road,
Yannawa, Sathorn, Bangkok 10120, Thailand
Tel : +66-2-624-6737, Fax : +66-2-624-6780

HEAD OFFICE

332-2, Gocheon-Dong, Uiwang-Si,
Gyeonggi-Do, Korea, 437-711
Tel : +82-31-596-3856, Fax : +82-31-596-3882