A first impression of a structure, complete it with Staron.

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
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.
**Staron, 5 special features**

1. **Clean finish**
2. **Smooth surface**
3. **Subtle light transmittance**
4. **Stylish design**
5. **Fantastic detail**

- Flexible bending, impact resistant quality that has superior durability
- Resistant to pollutants, easy to maintain material
- Low water absorption and flame retardant (Certified ASTM 84)

**Wallcovering**

- Acrylic resin
- Natural minerals
CLEAN FINISH

A smart durable material

As an exterior finish, durable Staron is impact resistant with easy to restore in case of damages. Although Staron is not physically affected by the impact of the environment, over time, there may be slight changes to the gloss surface. To recover the original feel of the surface, you can easily apply light sanding and polish.

Durable against external impact

If used as an exterior material there will be some physical damage and subject to change over a period of time but against other comparable products, Staron will shine as a strong durable option. In case of cracks and surface damage, use of a scotch-brite pad can easily restore the exterior finish for a long time.
WALLCOVERING

2 SUBTLE LIGHT TRANSMITTANCE

Fantastic light effects

Staron solid surface light transmittance varies depending on the thickness of the acrylic solid surface. Adjusting the amount of light depends on the processing of the outer wall and can produce a variation of effects to the interior.

TECHNICAL SOLUTION

Staron’s material thickness affects the illumination of the light. Depending on the space, the level of light emitted can be modified to create a fantastic look to the interior space. If the light is illuminated in the seams or causes thermal expansion and contraction, it can damage the lighting installation so it is advisable to avoid these areas.
SMOOTH SURFACE

Staron, reproducing your imagination

Staron solid surface can fully implement the designer’s imagined space. Numerous surface treatments are freely available and you can transform the material into various shapes to breathe new life onto the outer wall. You are no longer limited to the simple outer wall but evolve into a designer surface.

Meet Staron.

The possibilities of thermoformed surfaces

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Thickness (mm)</th>
<th>Min. Inside radius (R)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid, Sanded</td>
<td>6mm</td>
<td>25mm</td>
</tr>
<tr>
<td></td>
<td>12mm</td>
<td>76mm</td>
</tr>
<tr>
<td>Aspen, Pebble</td>
<td>6mm</td>
<td>102mm</td>
</tr>
<tr>
<td></td>
<td>12mm</td>
<td>127mm</td>
</tr>
<tr>
<td>Quarry, Metallic</td>
<td>12mm</td>
<td>203mm</td>
</tr>
</tbody>
</table>

Smooth surface construction

One of the properties of Staron sheets is that it is flexible when heated under a constant temperature. In its flexible state it can be shaped in a mold to create 2D or 3D form to create a smooth surface.
Wallcovering

Staron solid surface brings new changes to the interior walls that merely served as part of a building structure. Experience the transformation of the interior wall space with Staron.

**Cloth the wall with design using the CNC machining process**

Staron solid surface brings new changes to the interior walls that merely served as part of a building structure. Experience the transformation of the interior wall space with Staron.

**TECHNICAL SOLUTION**

Freely using CNC machining process

Unlike the existing natural stone, Staron can be used with CNC machining to produce precise grooving, letters and more and is easy to work the finer details. It can embody the best of what the designer wants.

CNC machining is a method of measuring the fabrication on a computer.
Details come to life as a work of art. Staron

Staron solid surface is differentiated from other interior materials for its rugged functionality and versatility of use that can implement a designer’s creative touch into a space. Meet the meticulous details of the newly born outer wall. We create a new style and dimension to the outer wall you have known in the past.
If you want an unique architecture, you have to cautiously select the best exterior material.
If you want a clean seamless urban style or a fresh interior, Staron can fully satisfy your needs.
Staron Exterior is looking outside the existing framework and into new changes for the most
discerning customers.
Class A fire safety material, Staron

Staron was awarded the highest rating ‘Class A’ (ASTM E84) for its flame retardant finish, interior walls and surfaces. ASTM E84 standards are commonly used for testing low flame spread and smoke density of building materials often suitable for the high safety standards of hotel building materials.

• Testing method
ASTM E84 (Surface burning characteristics of building materials)

• Staron results
Class A (Flame spread 10, Smoke density 10)

• Other test results

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

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.

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Staron solid surface</th>
<th>Polyester solid surface</th>
<th>Engineered stone</th>
<th>Granite</th>
<th>Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ease of maintenance/</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Cleanability and repair</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class A not support microbial</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Growth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonporous smooth</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Low flammability</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Durability</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Low VOC</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Low smoke toxicity</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Initial and life cycle cost</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Effectiveness</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slip resistance-appropriate</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Coefficient of friction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ease of installation, demolition</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>replacement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seamless appearance</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Control of reflectivity</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Option for color, pattern</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Non toxic, non-allergenic</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>
www.staron.com

SAMSUNG SDI 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 SDI 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 SDI 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 SDI 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