

SAMSUNG

Hotel & Resort

Architectural Manual

staron[®]
Solid Surfaces



Sheraton Grand Walkerhill Hotel in Korea

Introducing Staron, the magical quality material for exceptional service interior spaces.



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.

LOBBY

Staron, helping you create magical spaces

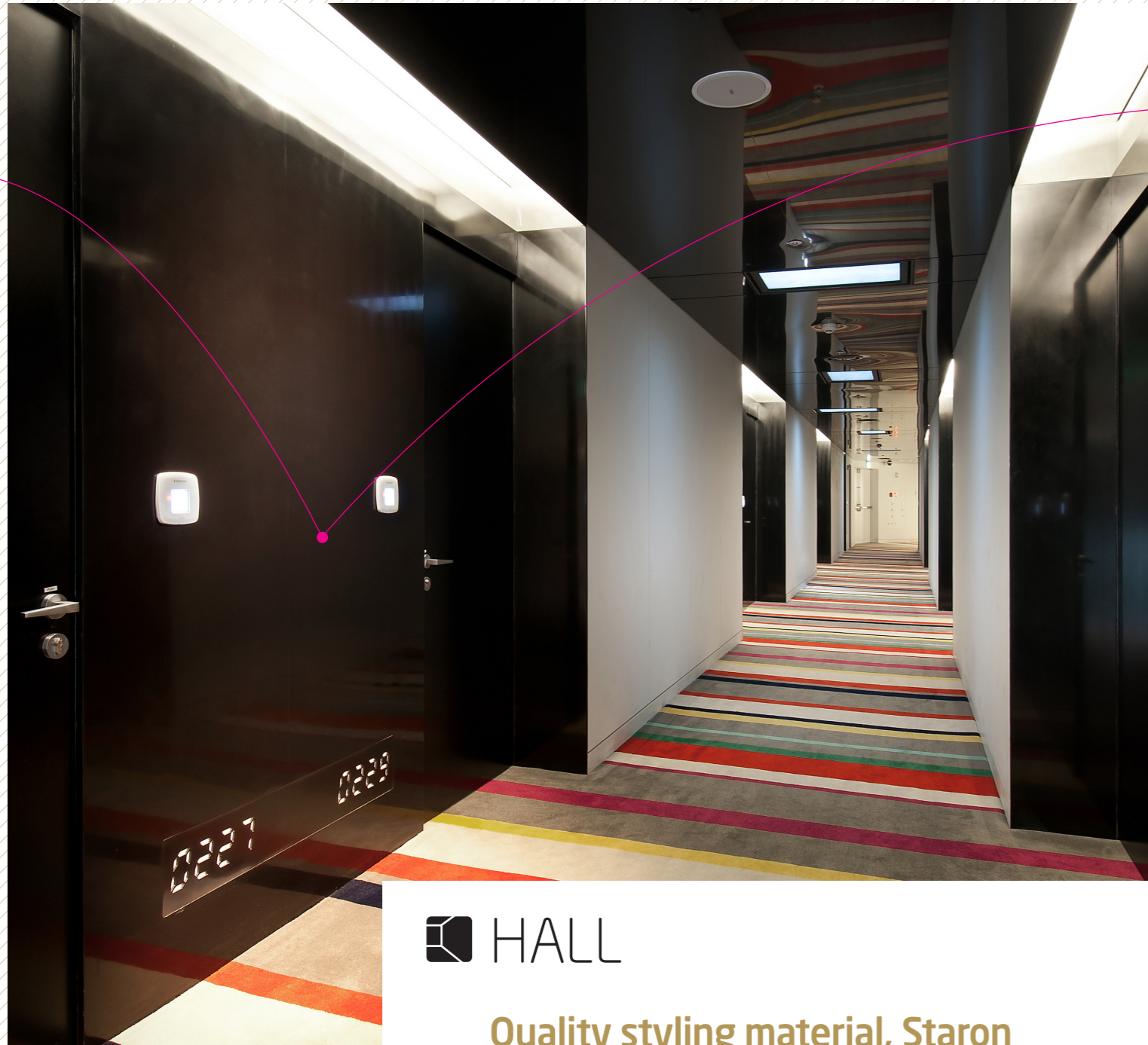
Staron creates a magical space that takes you away from the weary hustle of daily business and life. We are a part of your living space that brings leisure and new energy to your business. We invite you to explore the magical spaces of Staron.



Restaurant | Cafeteria / Bar | Lobby | Counter | Hall way | Wall / Artwork
Reception hall | Bedroom / Bathroom | Entrance



Samsung Human Resources Development Center in Korea



Samsung Human Resources Development Center in Korea

HALL

Quality styling material, Staron

Staron is easy to work with and elevates the quality of your hotel or resort. Staron can magically transform the designer's imagination into reality. Staron helps you style the most impeccable designs.



Samsung Human Resources Development Center in Korea

Certified as an eco-friendly material, Staron

Staron is greenguard® certified as an eco-friendly interior building product. Greenguard certifications test for potential off-gassing of volatile organic compounds (TVOCs) and passing this standard makes Staron an ideal material to use in public facilities such as hotels and resorts.

In addition, Staron® recycled series products are compliant to SCS eco-friendly production processes to reduce industrial waste and energy consumption. (LEED® MR Credits 4.1 and 4.2).





Sheraton Grand Walkerhill Hotel in Korea

BEDROOM

Staron, the best interiors for the most discerning clients

Staron strives to exceed quality expectations of any design concept. Whether you are designing a modern, classic or unique concept, Staron solid surface is well suited for any interior décor. In addition, the smooth surfaces, clean edges, variety of colors range, and durable properties of the material will complete the space of any designer's vision.



Excellent durability

Staron is made of all-acrylic materials and when compared to laminates or plastics, it exceeds in strength and long-term durability. In addition, in case of contamination or damage, it can be easily repaired as if new.

BEDROOM

Seamless clean designs

Staron is an impeccably flawless synthetic acrylic solid surface. 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.



Sheraton Grand Walkerhill Hotel in Korea



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

Item	Flame Spread	Smoke Density
Drywall (Gypsum board)	15	0
Wood Particle Board	155	200
STARON	10	10
Glass Fiber Panels	70	500+
Laminates, Plastics	70	35
Hard Board	150	400

BEDROOM

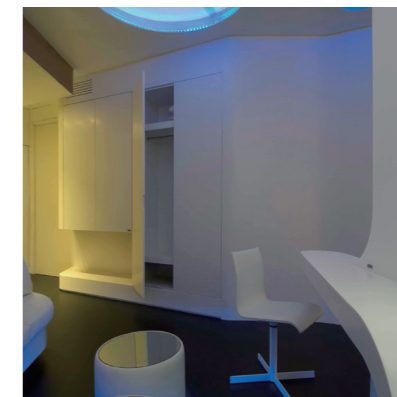
Staron's versatile forms can bring new functionality to a simple space.

Staron solid surface can easily accommodate the designer's vision. Surface treatments and variety of shapes can be freely changed to the design requirements. A basic room can be transformed into a variety of styles to create a new look for your clients.

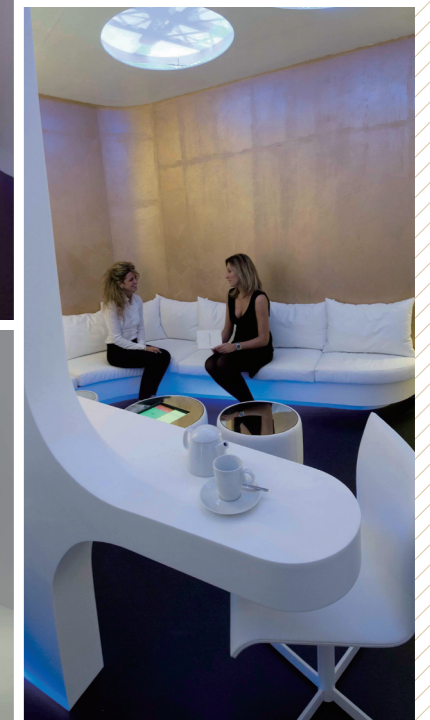
Design by Simone Micheli in Italy



Svietti Hotel in Italy



For example, tables and shelves can be freely changed to a variety of seamless shapes to fit the space.



BATH

Excellent hygiene

Staron is a hygienically superior solid surface. 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.



Sheraton Grand Walkerhill Hotel in Korea



• 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)

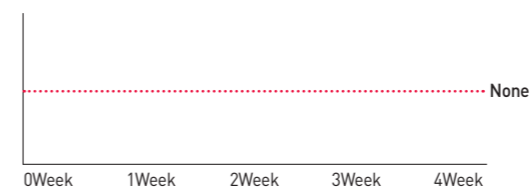
Gliocladium Virens (ATCC 9645)

Aureobasidium Pullulans (ATCC 15233)

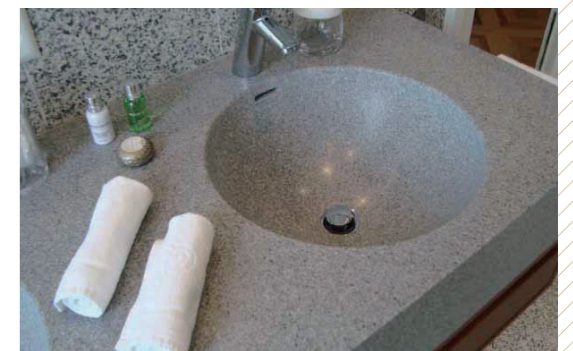
- Culture condition:

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

• Test result - No growth (4 week result)



Observed Growth on Specimen



Hotel in France



BAR

Express yourself with Staron

To help unleash the creativity of designers, Staron offers choices of smooth curves and surfaces to complete your design. The luminous transparency of the material is effective in creating glamorous interiors that can be transformed into a variety of new spaces.

Through the CNC process, transparency levels can be modified to match a variety of atmospheres, such as a casual hotel bar to a glamorous luxury bar.

RESTAURANT

Luminous transparent chips of Tempest

Hotel restaurants frequented by many guests are often good indicators of the grade of the hotel. Utilizing the world's first transparent acrylic chips will help accentuate the décor of luxury restaurants. Tempest's specialized coating technology is applied to create a premium solid surface. In addition, we strive to capture the designer's vision through the diverse range of colors.





Samsung Human Resources Development Center in Korea

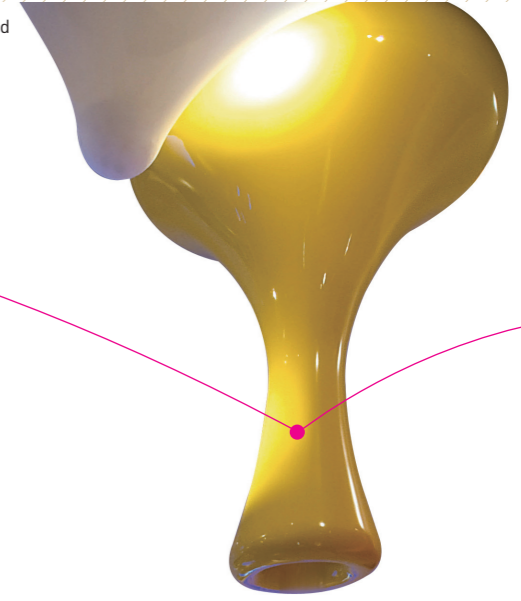
 DINING HALL
Staron is always with you



Hypnotique Spa in Switzerland

 SPA

Whatever you are envisioning,
Staron solid surface is capable
of producing the space
you are dreaming.



Chemical testing results

We conducted chemical tests on various surface contaminations prone to exist in hotels. 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

- Coffee • Wine • Mustard sauce
- Coke • Curry • Shoe polish
- Washable ink • Whisky



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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