

staron® | Solid  
Surfaces

# STARON® A PREMIUM SOLID SURFACE MATERIAL

DURABILITY, COLOUR VARIETY,  
DESIGN WITHOUT LIMITS

STARON® Solid Surfaces is an acrylic-based material made of natural minerals. Just as decorative as natural stone, but with all the advantages of a solid surface material. As it is solid and non-porous, it can be processed three-dimensionally, offering architects and designers maximal freedom.

Although STARON® incorporates all important qualities of stone, it can be worked by carpenters in a similar way as hardwood. Unlike stone however, STARON® feels warm and pleasant to the touch.

With its many advantages and versatile application possibilities, STARON® is a convincing contribution to the private, commercial and medical sectors alike.



#### ROBUST AND DURABLE

- Easy maintenance and repair
- Flame and shock resistant



#### HYGIENIC

- Non-porous and homogeneous
- Antimicrobial resistance
- Chemical resistance



#### FLEXIBILITY AND VARIETY

- Thermoformable and 3D-effects
- Organic and geometric design
- Perfectly suitable for complex design



#### LIMITLESS COLOUR VARIETY

- 150 colours
- Reflection and depth-effect
- Supreme Collection offering stone, marble and concrete looks



#### FREE FROM JOINTS

- Glues together seamlessly
- Soft and flawless to the touch
- Cast-like design



#### TRANSLUCENT

- Full-surface backlighting
- Variable luminosity
- Individual backlighting for logos and texts



# LIFESTYLE

YOUR DESIGN SOLUTIONS BY STARON

Combining a stunning appearance with outstanding practical qualities, Staron Solid Surfaces are truly revolutionary surface materials. Staron offers an impressive range of solid, metallic and natural stone-effect surface designs suited to any interior scheme. Their smooth, grout-free surfaces and solidity ensure that both colour and details run all the way through the thickness of the material, meaning that drainer grooves, edge profiles and cutout shapes can be applied seamlessly.



## MEDITERRANEAN

Spirited and dynamic, Staron surfaces have a pleasant Mediterranean appeal that can make your kitchens feel the epitome of warmth and comfort. With all the benefits of practical feasibility and classic aesthetics, these surfaces are an excellent choice for effusing a charmingly-chic aura within your spaces.



## COMFORTABLE

Cozy and absolutely hygienic, Staron surfaces are an excellent choice for sprucing up your workspace. Be it a home office or a co-working cafe with multiple users, the lovely textures of Staron can inject a sense of comfort and magnetism in any space while complementing a variety of interior design themes.



## SUSTAINABLE

Staron surfaces not only effuse an inherent sense of style and comfort but are also the perfect material choice for reducing your carbon footprint. With an upcycled composition of many decors, your interior setting can be as eco-friendly and sustainable as they come.

# NEW COLOURS



## Supreme Downy Dove SP105

Brimming with artistic delicacy, DOWNY DOVE is an excellent marble alternative that can make your home feel infinitely refreshing. It has a gorgeous daisy-white surface that is interspersed with artfully distressed delicate grey veining along with an exquisite surface quality. Its elegant austerity is sure to effuse any space with unfettered grace, sophistication, and upscale charm.



## Supreme Flat White VF345

Brimming with an understated playfulness, Flat White is perfect for imbuing exuberance while maintaining a classic aura in your interiors! Its alabaster white backdrop is embellished with smoky tendrils of gold veins, which gives it a purely luxurious appeal. Debonair, charming, and refined, this is a highly versatile finish that can be featured in any genre of interior design. Moreover, its opalescent surface has a translucent edge, so it can be gorgeously backlit in the form of a contemporary wall installation, a cosmopolitan tabletop, and more.



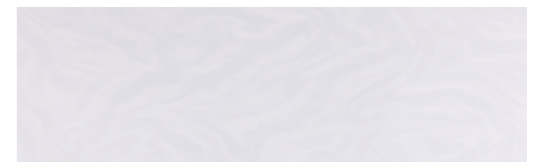
## Supreme Downy White SF100

The understated sumptuousness of DOWNY WHITE impresses with its soft, incandescent luxury. The gently cloudy surface brims with character and is perfect for pairing with other materials. Its pearl-white countenance, whispers of grey veins, and its seamlessly smooth surface are an excellent, more workable alternative to natural stone.



## Supreme Snowfall VS324

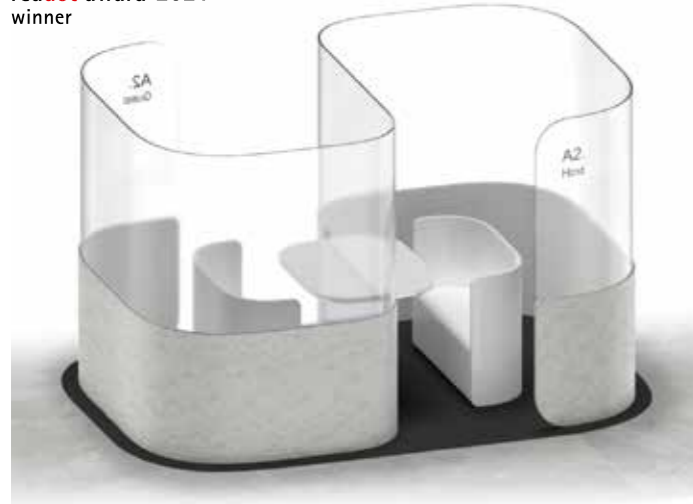
Graceful and elegant, Snow Fall has a dreamy aesthetic that's reminiscent of cold winter spells spent in the cozy embrace of one's abode. The smoky white texture embedded in its smooth surface will have any discerning eye appreciating its tastefully refined aesthetics. The subtle glimmer of its facade adds a lot of meaning to every space while emulating an elegant vibe.



# HYGIENIC STARON®



reddot award 2021 winner



Staron's care-free zone, award-winning concepts in reddot's material design solution category. Colour: Supreme Dawn

## AWARD-WINNING SOLUTION

Staron is not only a Solid surface brand but also pro-actively providing innovative design solutions. We aim to expand the scope of application of our products for its users and inspire reflecting the current trend of the world and its market.

In 2021, Staron won the Reddot Design Award, a world-famous design award, excellent solutions with hygienic aspects.

## SAFETY GUARANTEED WITH STARON



### Antifungal test (ASTM G21)

ASTM G21 is a standard antifungal product test for determining the fungal resistance of plastics and polymeric materials. After testing was conducted using a wide variety of fungal species, ranging from common environmental fungi to agricultural pathogens and even antibacterial, compound-producing fungi, Staron received the test result zero, meaning that no fungal growth was observed on product surfaces.



### Bacterial resistance test (ASTM G22-76)

After undergoing two tests, aimed at determining the effect of bacteria on the properties of plastics in the form of moulded and fabricated articles, Staron has proven that its materials are safe to use even in the case of extensive contact between the test bacteria and product.



### Antimicrobial bacterial test (ISO 846)

The result of the test carried out according to DIN EN ISO 846 indicates that Staron materials do not serve as a nutrient for moulds, and that they are fungistatic. According to the results of another procedure, Staron products provide no nutrients for bacterial growth. Staron received the best test results in all possible categories.



### HPD(Health Product Declaration) v2.2

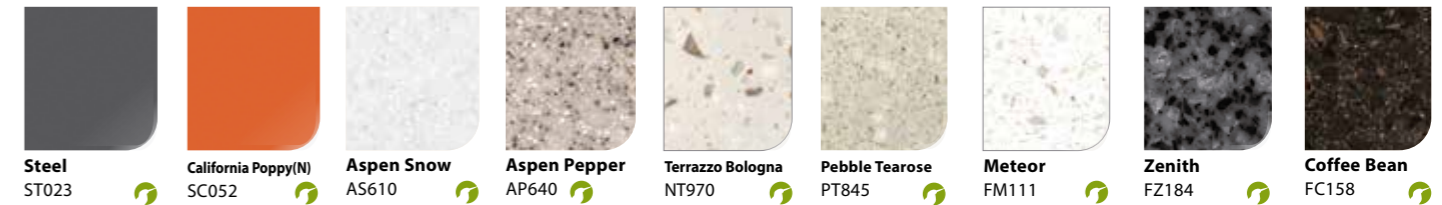
Manufacturer of Staron® products, Lotte Chemical Corp., is committed to the 'Green Movement' and is constantly striving to improve the environment and keep nature pristine. No heavy metals or toxic chemicals are used in the production of Staron® materials. All suppliers of raw materials used in the manufacture of Staron® products are supervised according to a strict Lotte quality control programme.

# SUSTAINABLE STARON®

## RECYCLED COLOUR SERIES



Many of Staron's Solid Surface colours consist of recycled materials, which reduces industrial waste and energy consumption during the production process. The colours are also eco-friendly, as certified by GREENGUARD and GREENGUARD Gold – and particularly recommended for use in hospitals and education buildings, where hygiene matters most. Staron has also received SCS certification from the LEED Green Building Program.



## STARON® – CERTIFIED SUSTAINABILITY

### BREEAM (Building Research Establishment Environmental Assessment Method)

BREEAM is the world's leading sustainability assessment method for masterplanning projects, infrastructure and buildings. To obtain certification, projects must undergo environmental, social and economic sustainability performance assessment. By receiving BREEAM certification, Staron counts among those stakeholders creating more sustainable environments that enhance the well-being of the people who live and work in them and helping to protect natural resources.



### ISO 14001 | Certificate Environmental Management System

ISO 14001 specifies the requirements for an environmental management system that an organisation can use to enhance its environmental performance. Staron is constantly seeking to manage its responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.



### ISO 50001 | International Organization for Standardization 50001

ISO 50001 specifies the requirements for establishing, implementing, maintaining and improving an energy management system. Staron follows a systematic approach in achieving continual improvement of overall energy performance, and is continually reducing its energy consumption as well as greenhouse gas emissions.

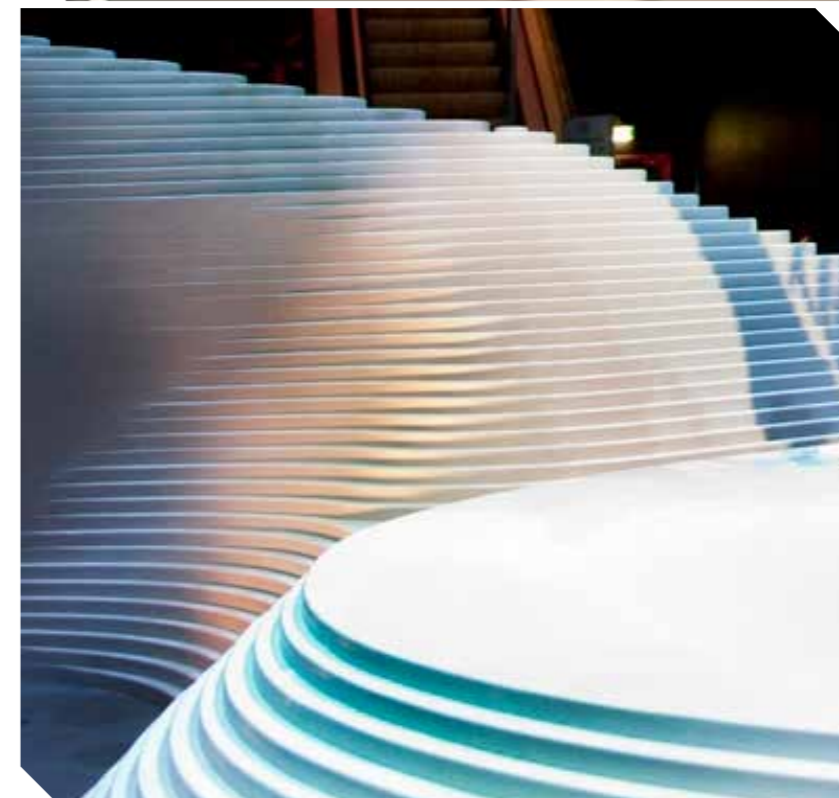


### LEED (Green Building Rating System for New Construction and Major Renovations)

Staron®, a division of worldwide technology leader Lotte Chemical Corp., offers a range of Staron® solid surface products 'Staron® recycled series' that are SCS Material Content Certified. In addition to SCS Certification, all Staron® colors including Staron® recycled series feature GREENGUARD and GREENGUARD Children & Schools certification and is listed as a low-emitting interior building product, further adding to its eligibility as a contributing product toward LEED points.

# PUBLIC BUILDINGS

## 01



### National History Museum

London, UK

Design and contractor: Paragon Creative

Photo: NHM London

Colour: Sanded Stratus, Sanded Tundra

When London's Natural History Museum had the opportunity to display the world's most complete Stegosaurus skeleton, no risks were taken. After all, this 900kg behemoth took 150 million years to find. A design solution was therefore required that would raise the installation above ground level to prevent accidental collisions, while also hide the supportive steel frame from view.

An outer plinth constructed from Staron® was created that beautifully complemented, and cleverly disguised, the complex steel frame. As the inner frame sat on bespoke shock-absorbent feet, it was also essential that the outer plinth have no contact with it at any point.

Inspired by the Wyoming heritage of the Stegosaurus, two shades of Staron® were used for the outer plinth layers – Sanded Tundra and Sanded Stratus. Each thermoformed layer was then precisely CNC cut and fabricated to create a flawless curved structure capable of withstanding 900kg of bones and metal.



# 02

**Berlin Olympic Stadium visitor centre**  
DE

Design and photo: Akay von Oppen, Berlin  
Colour: Bright White



# 03

**Indoor pool Blaubeuren**  
DE

Design: Gebhardt Architectural Offices  
Contractor: Mohring  
Photo: Webvisio Mediadesign  
Colour: Pure White





# 04

**Reception counter in DMAW Lawyers**  
AU

Design: IA Design - Laura Riach, Jazmin Neale, and Clare Holmes  
Colour: Aspen Alder



# 05

**Student Residence Milestone**  
Vienna, AT

Design: Josef Weichenberger Architects  
Photo: Studio M. Eder  
Colour: Quasar White

In an age where encouraging students to learn has never been more challenging due to endless distractions from smartphones, clever design has a key role to play in aiding concentration. At the Milestone Vienna campus you'll find an array of creative communal areas and private learning spaces constructed from Staron® that let in natural light and create a warm, inviting and effective learning environment.





# HOTEL & RESTAURANT



01

**Basara Sushi Pasticceria**  
Sushi rail bar  
Milan, IT

Colour: Fog

Sweeping curves. Sharp lines. Bright tones. The compelling reasons for using Staron® surfaces in bar and restaurant areas quickly add up – unlike stains and bacteria, thanks to its non-porous, waterproof property.

02

**Luxury Lounge Bar**  
GB

Colour: Ultramarine





### 03

**Marriott Renaissance Hotel**  
Barcelona Fira, ES

Design: Ateliers Jean Nouvel,  
Ribas & Ribas

Photo: A. A. Fuentes  
Colour: Bright White

# SHOPFITTING



## 01

**Kro Bakery**  
Prague, CZ

Colour: Terrazzo Venezia

The interior of the cafe is defined by two compact blocks and offers three types of seating. It's nice that there is also enough space for shopping next to the counter to make visitors feel more relaxed. The flexible layout turned out to be more effective to the pandemic restrictions. Both of the blocks combine several functions and can be used by the staff as well as customers. The informal connection to the exterior by installing the retractable shop window creates a warmer atmosphere bringing cuddly sunlight to the whole room.

The material palette and layout are dominated by a uniform main counter made of Staron solid surface, which is lined with beech plywood on the sides. Staron's one of the popular décor, Terrazzo Venezia was chosen due to its popping and lively look. White textured walls and classic stucco turns into an acoustic ceiling with recessed lighting combines very well with the main hall and creates good harmony. The architect managed to come up with a bespoke and sophisticated textured wall with a motif of an exploded sketch of a rooster head by David Černý. This textured wall is a plastic, washable finish known from the hallways of buildings in the past which is nowadays being commonly removed - In a way, a despised material that is very practical is here used as an avant-garde decoration.

## 02

**Fashion select shop**  
FR

Design by Architecte DESA  
Colour: Mosaic Dalmatian

For a retail environment to be truly successful, it needs to be both daringly original and relentlessly hardwearing. It's why Staron® is used by retailers across the globe to create luxurious and inventive showrooms capable of withstanding the impact of thousands of daily consumers.





### 03

#### Heidi.com Flagship Store CH

Design: Zaha Hadid Architects  
Colour: Pure White

When designing their first Flagship store, leading online fashion brand Heidi.com wanted a solution that would effortlessly bring together their on and offline worlds in a way that would surprise and engage consumers. To bring their vision alive, they collaborated with world-renowned Zaha Hadid Architects and Staron® to fashion a modern interior space awash with light and interactive elements. With digital playing such a pivotal role in the company's success, a key deliverable for the new store was a secure housing unit for a giant digital screen. Staron® was chosen for the task, due to its hardwearing properties and ability to be thermoformed into free-flowing curves – a key motif of Zaha Hadid's work. Complementing the unit were a series of curved walls and display plinths in Pure White Staron®, again reflecting the architect's signature style.



### 04

#### The Whistle Dixie Fortitude Valley, AU

Design: Lisa Schiffermuller and  
Liane Jarvie of Ellivo Architects  
Colour: Supreme Morning Sky













# HEALTH CARE

01

**Ahrend Healthcare Inspiration Studio Showroom**  
Dubai design district, UAE

Design by MASSA Interior Design & Architecture  
Colour: Bright White

- |   |                                  |   |  |
|---|----------------------------------|---|--|
|  | JOINT-FREE DESIGN                |  | EASY MAINTENANCE                       |
|  | NON-POROUS MATERIAL              |  | EASY TO CLEAN                          |
|  | DURABLE AND EASY-CARE            |  | HOMOGENEOUS                            |
|  | CHEMICALS AND STAIN RESISTANT    |  | EXCELLENT QUALITY                      |
|  | FLEXIBILITY THROUGH FORM VARIETY |  | ENVIRONMENTALLY FRIENDLY CERTIFICATION |



02

**University of Queensland**  
Victoria, AU

Design: Luke Pendergast, Conrad Gargett  
Colour: Aspen Glacier

Rather fittingly, very few environments are more testing on work surfaces than a laboratory. So when designing a new teaching facility within the University of Queensland's Great Court Complex, a hardwearing and versatile material was required that could withstand the rigours of daily experiments. The solution, was Staron®.

While chosen for its stain, chemical and heat-resistant qualities, the seamless and non-porous design of Staron® was also a key deciding factor, as the new facility would primarily be used as a wet laboratory. Such spaces require a high level of containment to ensure the safety of everyone inside, however those involved with the project were also keen to create a learning environment free of restriction.

Aspen Glacier Staron® surfaces were used for everything from desks and foot rests, to wall linings and custom-built sinks, and provided the design flexibility and clinically sharp aesthetic required. The final result was a future-focussed, state-of-the-art teaching space where both students and teachers can excel daily.

# RESIDENTIAL

## 01

**Private kitchen**  
Balmoral, QLD, AU

Design: Ashley Maddison, AM  
Interior Studio  
Colour: Metallic Yukon

Ashley had full creative control of the interior design of this three level home, so when it came to the kitchen space, she wanted to create a piece of art with practical features.

Staron Solid Surfaces® was selected in colour Metallic Yukon and thermoformed to create curves. The surface wraps around the kitchen island being clad from the front to the back cupboard cabinetry and extends up to the benchtop. A polished concrete benchtop has also been used on top of the island and around the cooktop area, creating a beautiful contrast between the two materials.

Ashley specified Staron® Solid Surfaces as it achieved a smooth and monolithic appearance with no open joints. This contributes to the art form of the kitchen space, while the low maintenance and non-porous nature of Staron® provides practicality. With an incredible view of the city skyline and beautiful, smooth kitchen curves inviting you into the kitchen, the end result is a space that is both aesthetically and functionally pleasing.





## 02

**Private kitchen**  
London, UK

Colour: Tempest Peak

Kitchen necessity, or design talking point? With Staron®, the two quickly become one and the same. Sinks can be fully integrated into the solid surface, creating a free-flowing design that's also free of any unhygienic joints. Drainer grooves and complementary upstands complete the look in style.



## 03

**Private Bathroom**  
GB

Colour: Supreme Rotor Cloud

Featuring gentle, fine veining, Rotor Cloud has been inspired by the spring-like swirling clouds seen peacefully floating in the bright blue sky above.

Providing homeowners, designers and specifiers with a surface perfect for modern living, Staron's unique qualities ensure its surfaces not only look beautiful, but are a hygienic and practical choice too.



## 04

**Private Bathroom**  
GB

Colour: Supreme Flux





# EXTERIOR WALL CLADDING

## 01

**Plumeria House**  
Ramkhamhaeng road, TH

Design: Neo Exhibit Co., Ltd.  
Fabricator: Knight Furnich Co., Ltd.

Colour: Bright White

Taking inspiration from the wild plumeria flower, the structure interconnects with nature in the most beautiful forms. Amalgamating the framed, tall, and durable glass with panels of Staron Solid Surfaces, the facade stands in pride - exhibiting a modern and contemporary appeal. The 12mm edge in Staron Bright White enables an organic experience while molding the facade into an absolutely intriguing biomimetic form.

The smooth surface of the Staron solid surface tends to reflect artificial light which is embedded impeccably underneath the building lettering. At night, the LED strip illuminates the perimeter of the house, creating a welcoming and moody ambiance. The deep warm white lighting further adds a sense of safety and security to the area while adding a luxe and playful charm.

## 02

**KUHO Shop**  
Jeju, KR

Colour: Bright white





# INTERIOR WALL CLADDING

01

Select Shop  
GB

Colour : Terrazzo Bologna

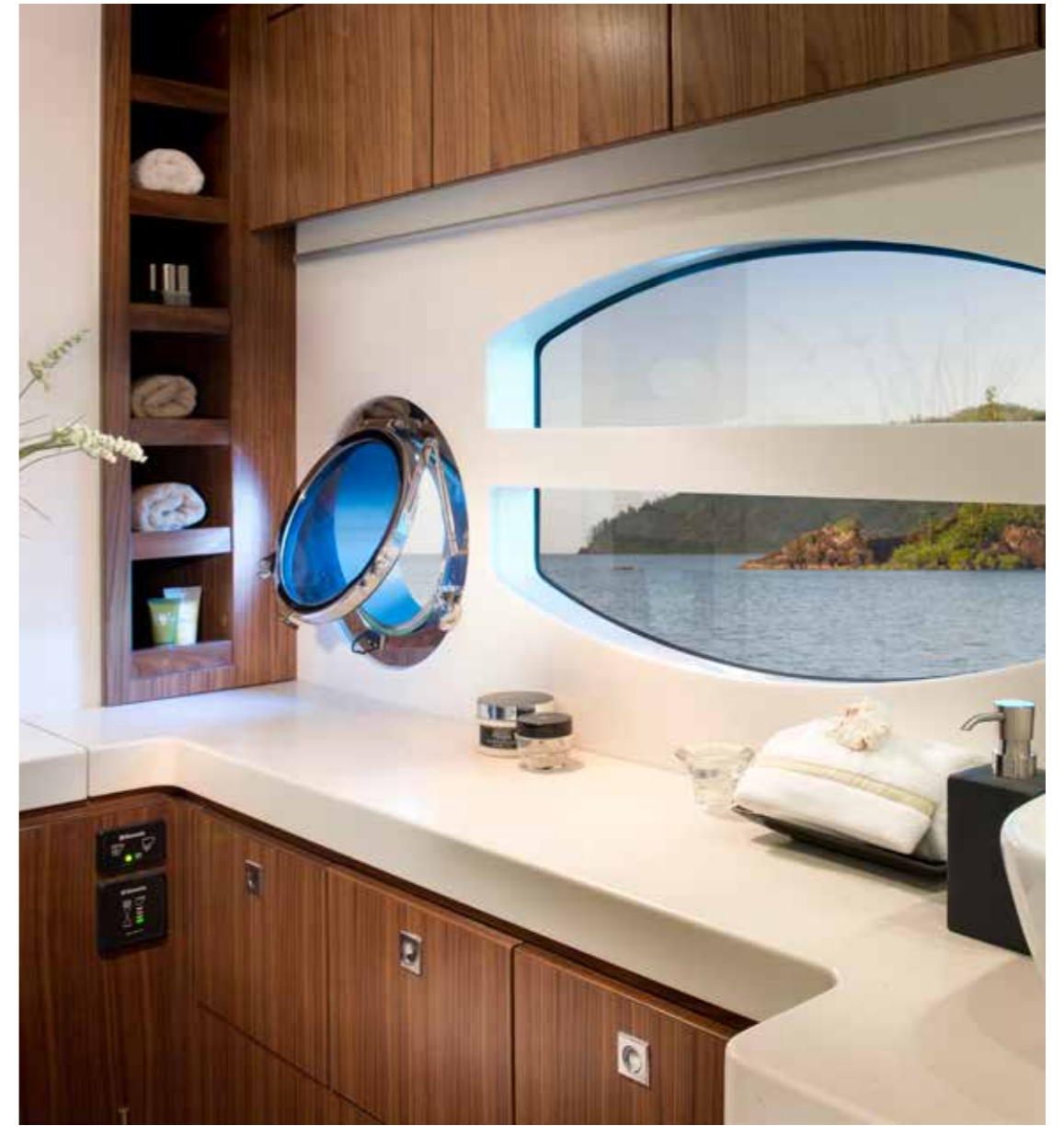
Terrazzo Bologna's soft ivory base hue with dark bronze detailing is the ideal accompanying surface for interiors with light wooden touches. Perfect for use in beauty salons and shops, this stunning colourway brings warmth to interiors, creating an inviting space for visitors to spend time in.

02

Sky Lounge, Dongdaemun Design Plaza  
Seoul, KR

Design: Zaha Hadid Architects  
Colour : Dazzling white

# TRANSPORT



01

Yacht  
AU

Colour: Bright White, Natural

02

Yacht  
IT

Colour: Bright White



# STARON<sup>®</sup> COLOURS

*Supreme™*



**Delphi** VD111



**Ocean View** VO171



**Cloudbank** VC118



**Natural Bridge** VN144



**Dawn** VD126



**Downy White** SF100 **NEW**



**Downy Dove** SP105 **NEW**



**Magnolia** VM143



**Beige Granite** VB172



**Dandelion** VD175



**Loam** VL155



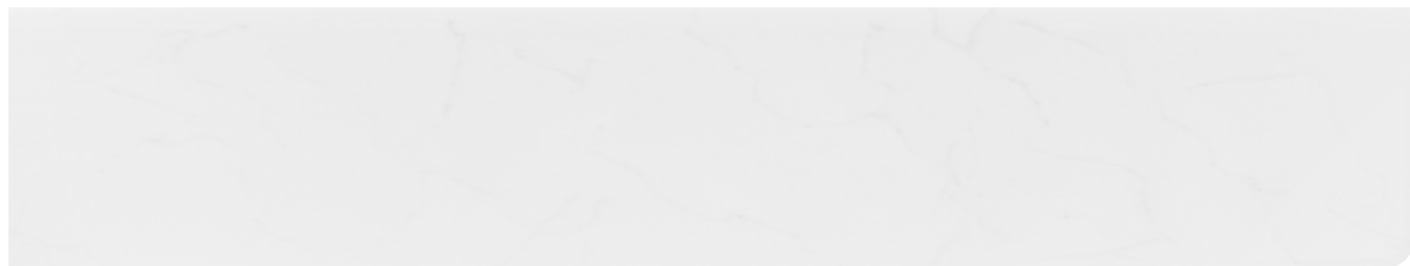
Arctic White VA311



Rotor Cloud VR322



Cotton White VC110



Morning Sky VM114



Flux VF113



Ash Concrete VA129



Urban Grey VU127

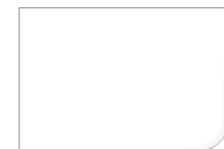


Snowfall VS324 **NEW**

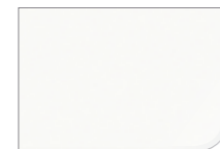


Flat White VF345 **NEW**

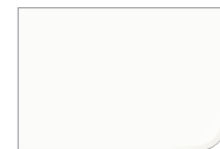
## SOLID



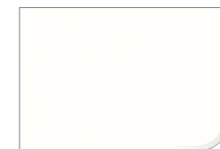
Quasar White  
SQ019



Dazzling White  
SD001



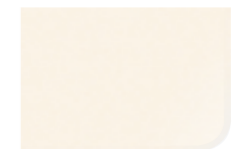
Pure White  
SP016



Bright White  
BW010



Pearl  
SP011



Natural  
SV041



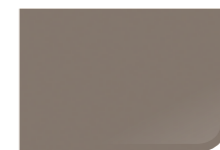
Ivory  
SI040



Fog  
SF020



Bliss  
SB022



Serene  
SS023



Steel  
ST023



Onyx  
ON095



Sunflower(N)  
SS042



Oasis  
SO064



California Poppy(N)  
SC052



Univers(N)  
SU053

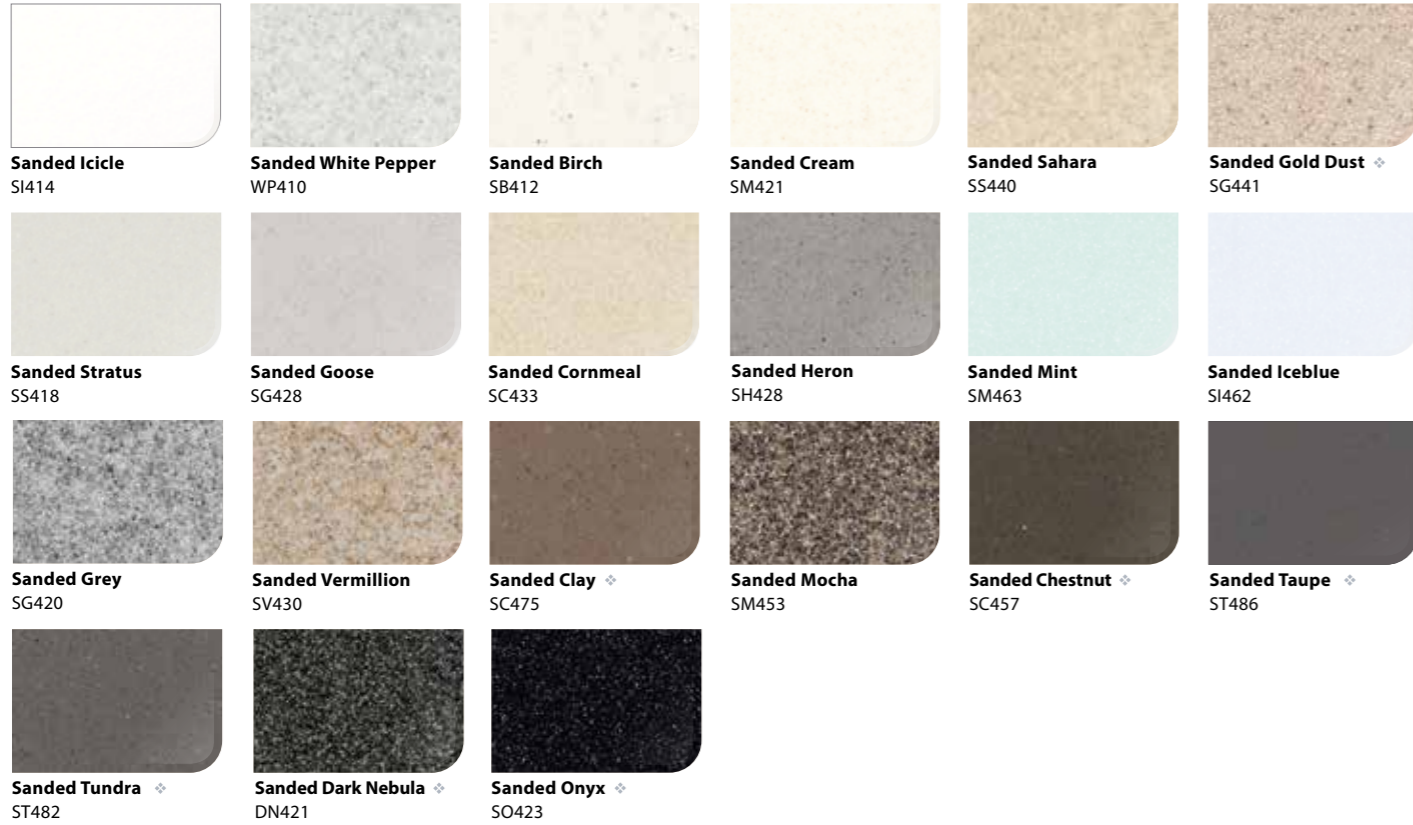


Forest  
SF061

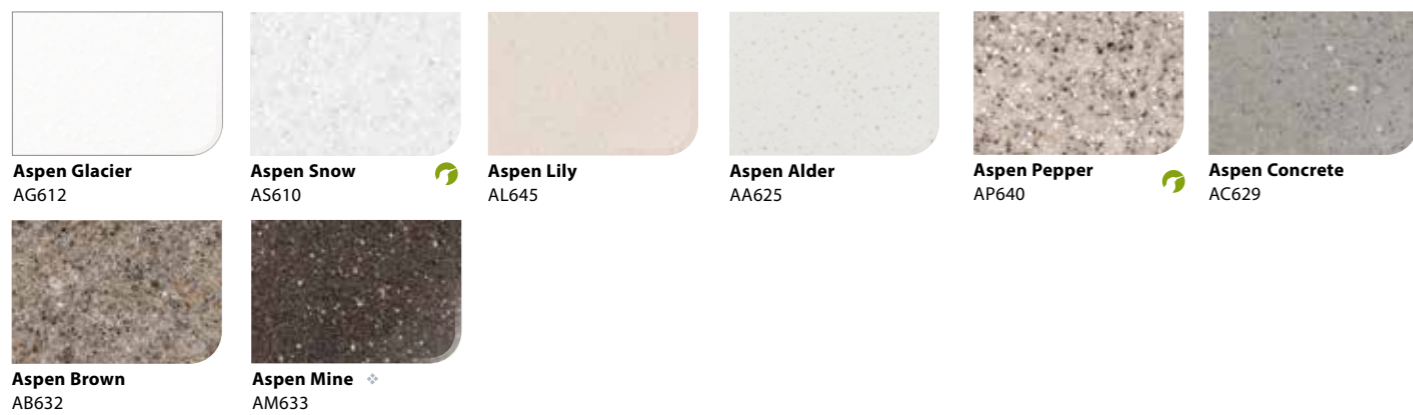


Ultramarine  
SU067

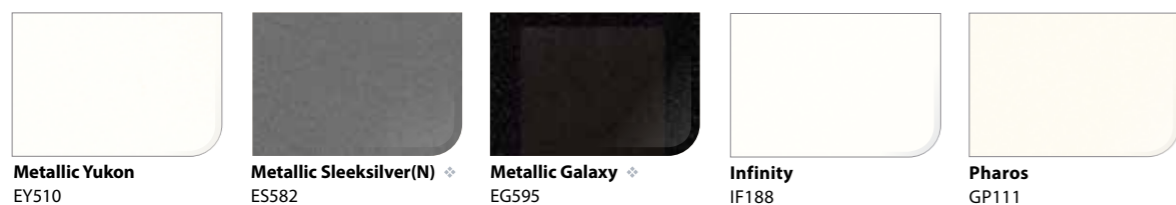
## SANDED



## ASPEN



## METALLIC



## FUNCTIONAL PRODUCTS

## PEBBLE



## TERRAZZO



## QUARRY

## tempest®



### STARON®, a premium solid surface material

- The printed colours may differ from the sample and actual product. Please see the sample before selecting the product.
- Customised colours are available depending on order quantity. Please consult your contact person about the availability of colours and sizes.

- ♻️ STARON® colours with recycled materials
- ✦ High-maintenance requirements

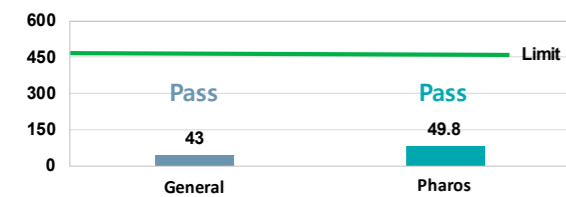
# FLAME RETARDANCY

## FLAME-RETARDANT SURFACES FOR ANY SHIP & BOAT INTERIORS

Staron® Pharos holds MED (Marine Equipment Directive) certification in accordance with IMO (International Maritime Organization) regulations. While most shipbuilding materials are sensitive to heat and fire, Staron® Pharos meets both flammability requirements and high aesthetic demands.

### Max. smoke density

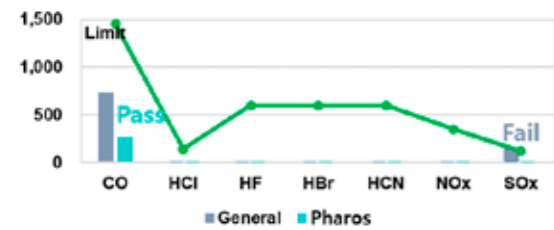
- Passed with 49.8 Dm (smoke density)



### Toxic gas generation

- Tests found 273 ppm of CO; other kinds of gas were not found

- In non-certified solid surfaces, SOx gas was found



Pharos GP111



Marine Equipment Directive (MED) 2014/90/EU



Hygiene and sterilisation of surfaces



Seamless curves to create various shapes



Higher levels of light transmission, allowing the works to be illuminated

**CRUISE SHIP INTERIORS EXPO EUROPE**



**staron**  
Solid Surfaces

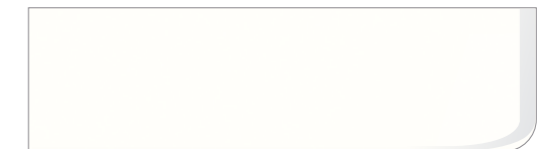
CSI Plus ([www.csi-plus.com](http://www.csi-plus.com)) is an exclusive platform for networking, product sourcing and premium content for the global cruise interiors industry. Staron is registered on CSI Plus as a professional supplier of shipbuilding solid surfaces.

# SUPER FLEX

## SPECIALISED FORMULA FOR DRAMATIC CURVES & DESIGNS



Staron® Super Flex allows more dramatic curves and flexibility – resulting in high-performance applications in all commercial, residential and public space projects. Meet the new Staron innovation and get down to designing your new futuristic and functional space.



Infinity IF188

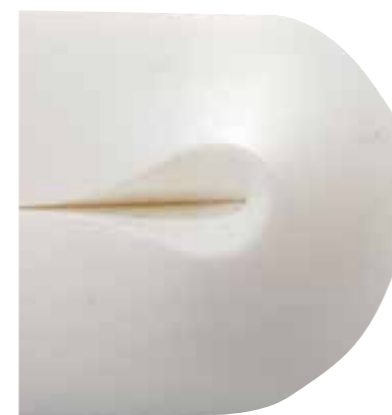


## HIGH ELONGATION

- The elongation rate of Staron® Super Flex is twice as high as that of existing Staron® colours.
- Staron® Super Flex can be used in architectural and interior applications, such as high-performance wall cladding or kitchen, bathroom and furniture surfaces.

## TIME-SAVING

- Staron® Super Flex can be thermoformed at lower temperatures and in shorter heating times compared to the thermoforming process of existing Staron® colours.



**RADIUS " 0 MM "**

Product	Oven Temp.	Time	Radius
StaronSolid (I2T)	302°F (150°C)	45-80 min	2" (50mm)
Staron Super Flex(I2T)	284°F (140°C)	20-30 min	0" (0mm)
	302°F (150°C)	15-30 min	

# EXTERIOR WALL CLADDING

## DISCOVER THE VERSATILE BEAUTY OF STARON COLOURS FOR EXTERIOR CLADDING

### EUROPEAN TECHNICAL ASSESSMENT CERTIFIED [ETA-16/0091]

The ETA certificate for Staron® exterior cladding with Keil undercut anchor system was issued by the DIBt (Deutsches Institut für Bautechnik, the Technical Assessment Body certified by the European Organisation for Technical Approvals). It verifies that Staron® is a suitable material for exterior cladding under European regulations.

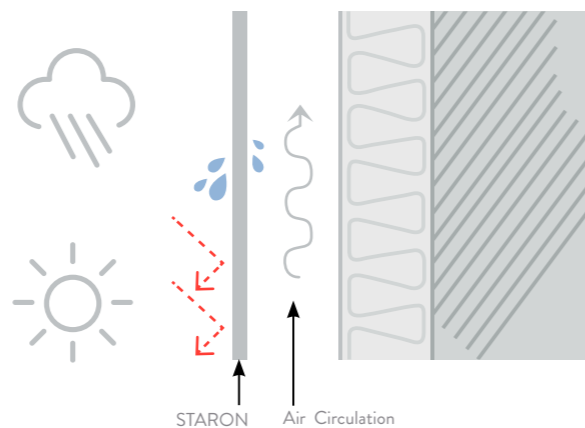
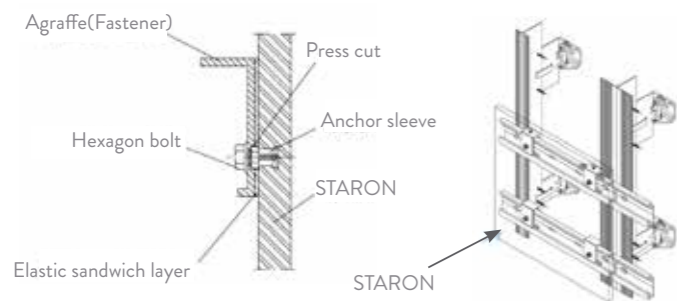
### - ADVANTAGES OF VENTILATED FACADE

- Discharges rainwater entering from the outside and moisture created inside the building via the gap to prevent corrosion of the building
- Saves energy in the building thanks to increased thermal insulation
- Reduces external noise
- Prevents condensation from forming in the building

### INSTALLATION

Ventilated facade cladding system and undercut anchor is the official and proper fixing method for Staron® panels of 12 mm thickness.

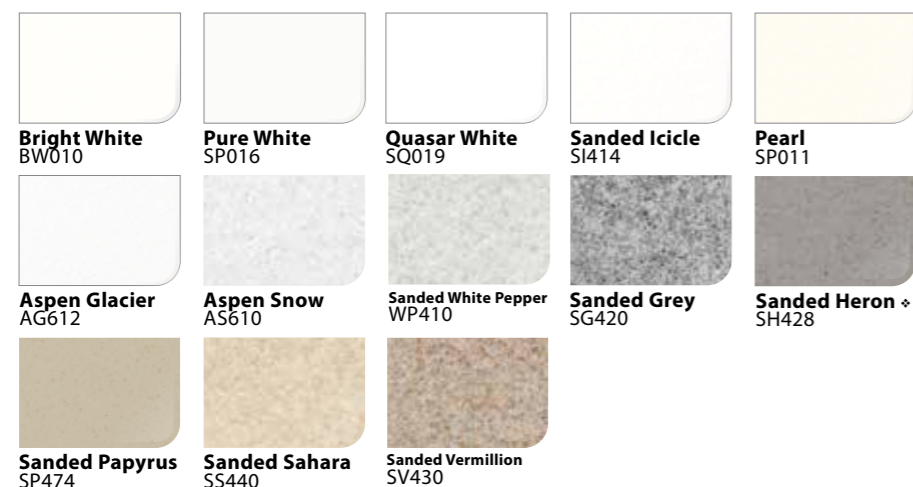
### - UNDERCUT ANCHOR AND CLADDING FIXING



### FIRE PERFORMANCE

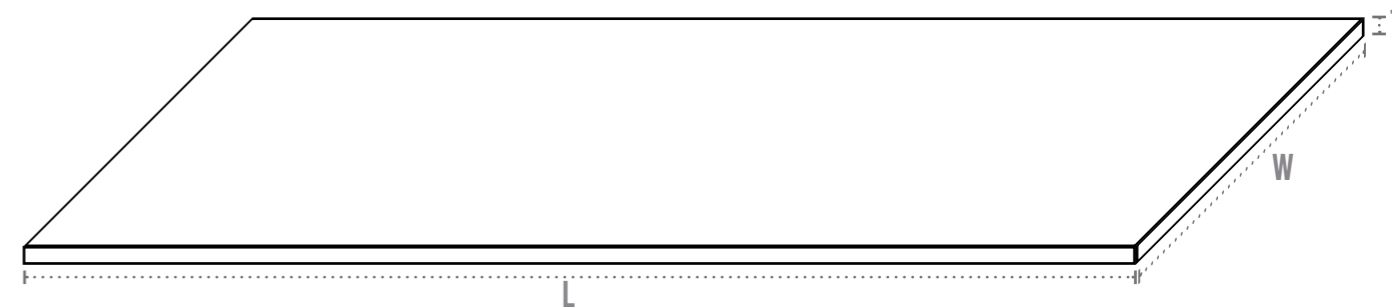
FIRE RESISTANCE	METHOD	RESULT
Euro class	EN 13501-1	B-s1, d0
Germany	DIN 4102-1	B1
Tests for external fire exposure to roofs	EN13501-5	Broof(t1)

## RECOMMENDED COLOURS FOR FACADES & CLADDING



# PANEL DIMENSIONS

Customers get to pick from a wide range of thicknesses and widths of Staron Solid Surfaces. Please see all available sizes in the table below and contact us if you have any special size or colour requests.



T - THICKNESS	W - WIDTH	L - LENGTH	WAREHOUSE OPERATION
mm	mm	mm	
19	760	3.680	
12	760	3.680	o
	930*	3.680	o
	1.350*	3.680	o
9	760	3.680	
	930*	3.680	
	1.350*	3.680	
6**	760	2.500	o
	930*	2.500	
	930*	3.680	

\* Only available in Bright White (BW010), Pure White (SP016) and Quasar White (SQ019). Other colours can be also purchased depending on your order quantity.

\*\* High-maintenance decor themes and panel thicknesses of 6 mm are not recommended for horizontal surfaces subject to harsh environments/stress.

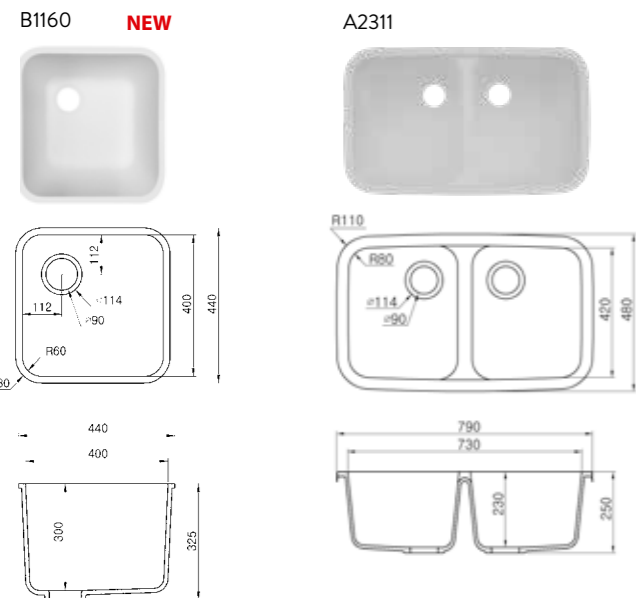
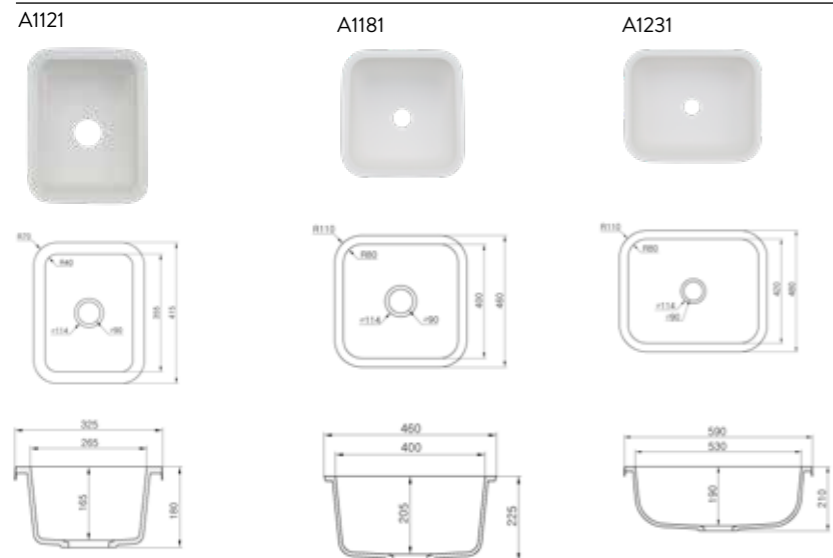
- Wide sheets can only be purchased as a full pallet from the European warehouse.  
(Packing unit: 12T - 15 sheets, 6T - 30 sheets)

## STARON® 10-YEAR LIMITED WARRANTY

LOTTE CHEMICAL ('LOTTE') grants the owner a limited 10-year warranty on any STARON® installation constructed in accordance with LOTTE approved processing and application guidelines. For more information about the terms and conditions, please consult our website [www.staron.com](http://www.staron.com).

# SINK & BOWL

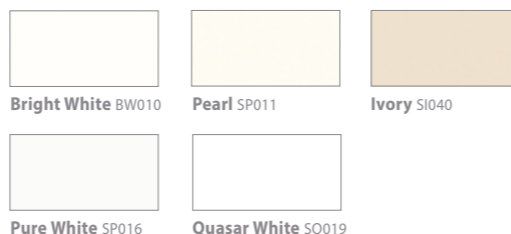
## KITCHEN | SINKS



• LOTTE CHEMICAL does not guarantee the exact colour match of Sink & Bowls and sheets.

• Staron Sink & Bowls are at best implemented in a product of these five colours :

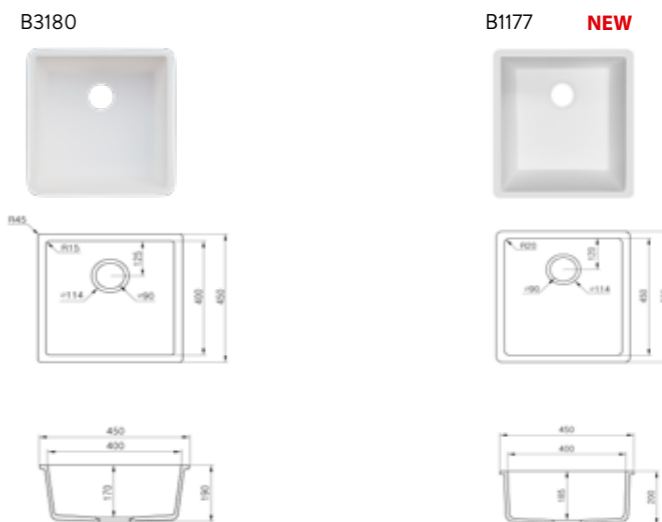
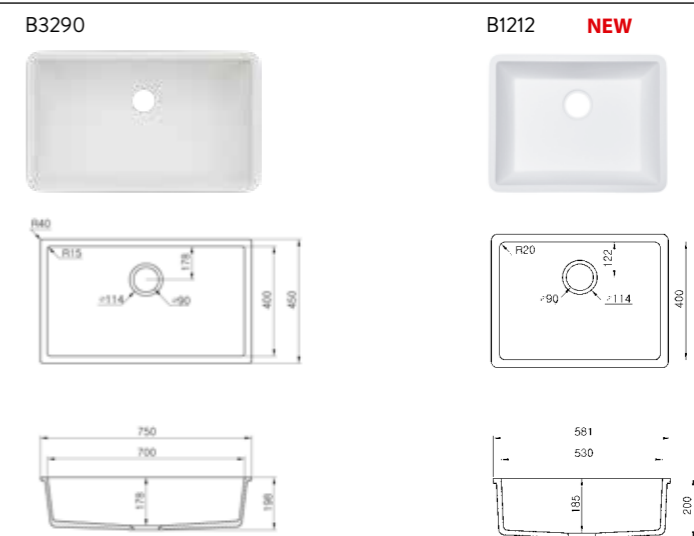
### COLOUR OPTIONS



An integral sink will improve the efficiency and hygienic qualities of a kitchen or bath area and, particularly, interior commercial applications. Staron all-acrylic sinks and bowls can be installed in combination with Staron sheet materials as part of a continuous surface featuring imperceptible seams for a perfect, uninterrupted fit. That also means there are no gaps or crevices for bacteria or mold to accumulate and grow. Whichever style you choose, Staron's non-porous, hygienic surfaces will always be easy to clean and maintain.

Choose from five coordinated sink colour options from a collection of ten, popular models.

## KITCHEN | SINKS



### MOUNTING OPTIONS

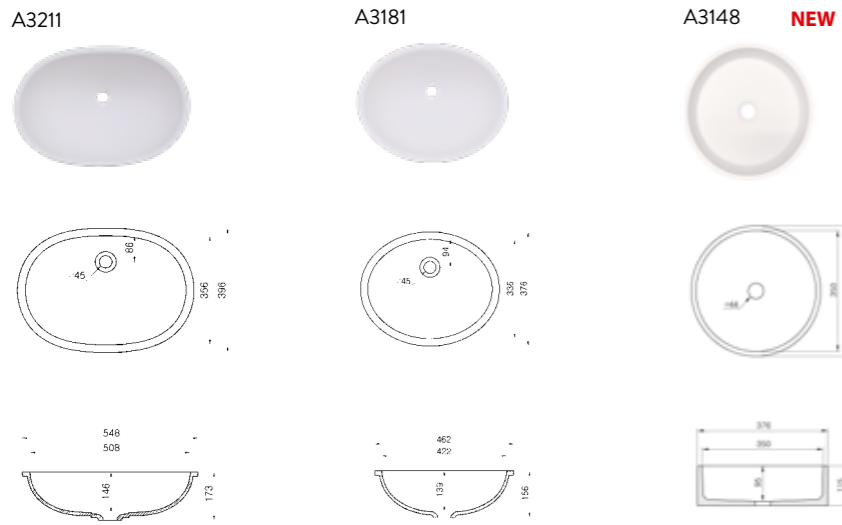
#### Seam mount



#### Under mount



BATHROOM | WASHBASINS



PERFECT SOLUTION FOR HEALTHCARE PROVIDER

Preventing the spread of infection starts at the surface

Staron acrylic solid surface is non-porous and not affected by moisture so it will not support the growth and spread of bacteria or mold. A seamless adhesive installation process eliminates gaps and crevices where pathogens could propagate – providing an extra level of hygiene. Cleaning and sanitising is easily accomplished with typical healthcare cleaning solutions.

**Seamless Installations:** Seamless installation improves design flow – there are no open joints or seams to trap unwanted dust, fluids or contamination.

**Sustainable:** Manufactured to strict environmental standards meeting all codes and regulations for interior construction materials.

**Versatile Design:** Dozens of colour offerings are available from calming neutral to playful bold tones – ideal for healthcare interiors.

**Easy to maintain:** Staron is a homogenous, colour-through product, making it repairable and restorable to a new condition – often just by light sanding and polishing.

**Superior Quality:** Staron Solid Surface is far more durable and longer-lasting when compared to plastic laminates – which makes it perfect for high traffic environments.

**Non-porous:** Impervious surface inhibits the growth of bacteria or mildew and reduces the possibility of cross-contamination.

**Resistant to Stains and Chemicals:** Resists various chemicals, fluids and contaminants often found in healthcare environments.

**Easy to clean:** Cleaning and sanitising is accomplished with non-abrasive wipe-on or spray-on products common to healthcare.

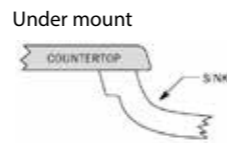
**Excellent Durability:** Superior strength and impact-resistance means less maintenance and a longer, more cost-effective life cycle.

**Homogeneous:** Staron is a homogeneous product which means there is no surface layer to wear or delaminate – it's completely colour-through.

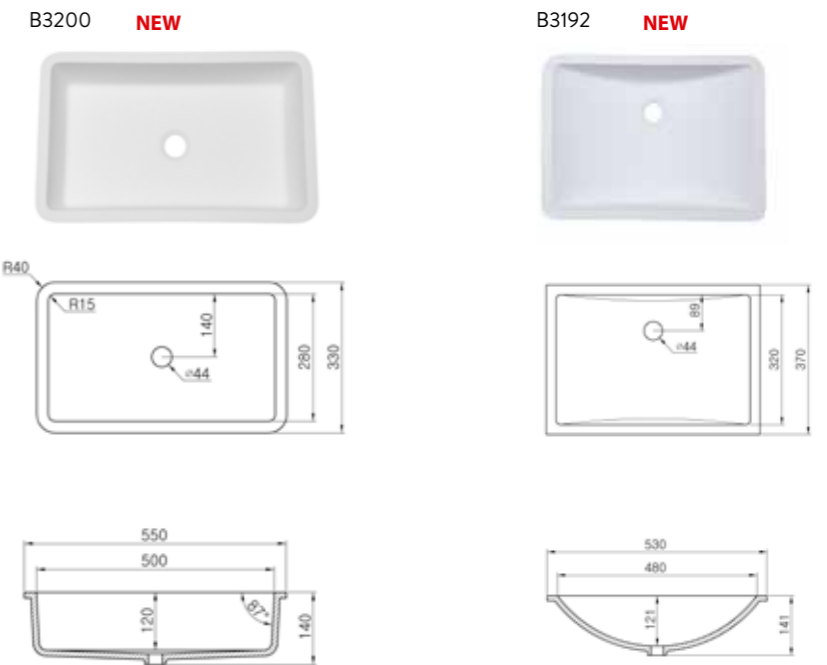
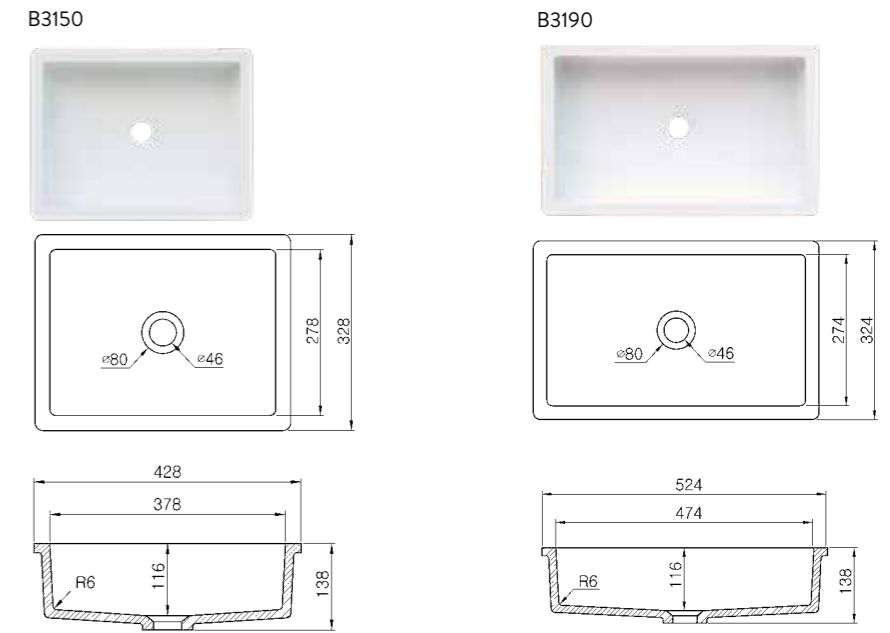
The Wonders of Staron Solid Surface



MOUNTING OPTIONS



BATHROOM | WASHBASINS



• LOTTE CHEMICAL does not guarantee the exact colour match of Sink & Bowls and sheets.

• Staron Sink & Bowls are at best implemented in a product of these five colours :

COLOUR OPTIONS





# TREATMENT & CARE



## CARE & MAINTENANCE

### STARON® SURFACES

STARON® offers you an easy-care, durable material that can be cleaned, maintained or repaired with little effort. The maintenance effort required for STARON® and its durable flawless surface in general depends on the colour and the selected finish. Brighter colours and matt finishes require less care than dark colours and glossy finishes.

For standard care and maintenance, wipe STARON® surfaces with a damp cloth or sponge on a daily basis.



Small scratches or stubborn stains on surfaces with matt or satin finishes can be removed by making circular movements with a wet sponge and scouring agent. Next, rinse with clear water and dry off with a dry cloth to avoid the creation of stripes.

Do not use abrasive cleaners, scrubbing sponges or wire wool for dark colours and glossy finishes. To avoid dulling down the gloss, only use a mild cleaner without abrasive and a soft cloth.

### INSTRUCTIONS

Please adhere to the following instructions in case of damage, dirt or stains:

- Never put hot pots or pans on STARON® surfaces. To avoid heat congestion, always use heat-resistant supports or coasters with soft feet.
- Do not expose STARON® surfaces to aggressive chemicals or corrosive substances. Rinse immediately after contact.
- Do not leave staining foodstuffs or remains on the surfaces. Rinse immediately after contact.
- Avoid cutting on STARON® surfaces, always use a cutting board.

Your joiner-carpenter can repair deeper scratches or stubborn stains by grinding them down.



#### Disclaimer

The contents of this brochure have been prepared by the manufacturer with the utmost care. The contents are updated regularly and in a timely manner. Nevertheless, it cannot be excluded that the brochure might contain mistakes. Despite careful verification, the manufacturer cannot assume unlimited legal liability for the accuracy, completeness and up-to-dateness of this brochure. The manufacturer in particular does not assume liability regarding any damages or consequences resulting from the use of the contents provided.

## FABRICATION

Due to the advantages of STARON® joiners and carpenters can easily work the material with woodwork tools. Apart from sawing, milling, drilling, gluing and grinding, Staron can also be formed thermally. The following instructions are the basis for optimal processing in accordance with the client's wishes.

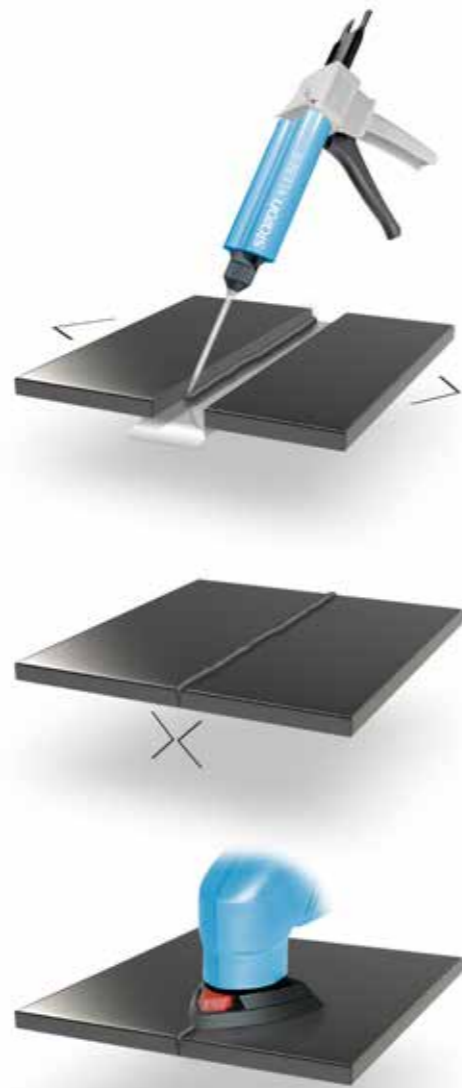
## COMBINING WITH OTHER MATERIALS

Please use permanently elastic industrial glue to combine the product with other materials. When doing this, it is important to take into account the expansion coefficient of each specific material. Alternatively, screw connections with plastic dowels or undercut anchors can be used.



## GLUING

STARON® panels are glued with a two-component adhesive that matches the colour of the panel. After the adhesive residues have been removed and the surface has been polished, the glue joints are almost invisible.



## WALL CONNECTION PROFILES

The use of a hollow profile is recommended to obtain an optimal, joint-free wall connection profile. The best way to achieve this is to join the STARON® groove panel elements with STARON® glue. Next, smooth out the radius (e.g. 12.5 mm) with a groove milling tool.



## EXPANSION

Left: The material specific expansion coefficient of  $35.0 \times 10^{-6}/K$  (corresponding to 1 mm per metre at a temperature difference  $\Delta T$  of  $30^\circ C$ ) must be taken into account for all applications.

## FORMING

STARON® panels can be formed at 150°C, via either a vacuum or press process. In case of Super Flex, it can be thermoformed at lower temperature as 140°C - 150°C. The forming radius depends on material thickness and colour.

Tempest and Quarry colours are conditionally malleable. If you have any questions, please contact your STARON® Customer Services team.

COLOUR	PANEL THICKNESS IN MM	RADIUS IN MM
Solid, Sanded	6	25
Solid, Sanded	12	76
Aspen, Pebble	12	127
Quarry, Metallic	12	203
Supreme	12	126
Super Flex	12	0



## CONFIGURATION OPTIONS

Backlighting, sublimation printing and inlays are optionally available with STARON®.

### BACKLIGHTING

Almost all colours are suitable for partial backlighting of translucent logos or lettering. Full surface backlighting is possible for certain STARON® colours.

Milling out the STARON® panels creates optimal surfaces for LED backlighting for logos or design elements.



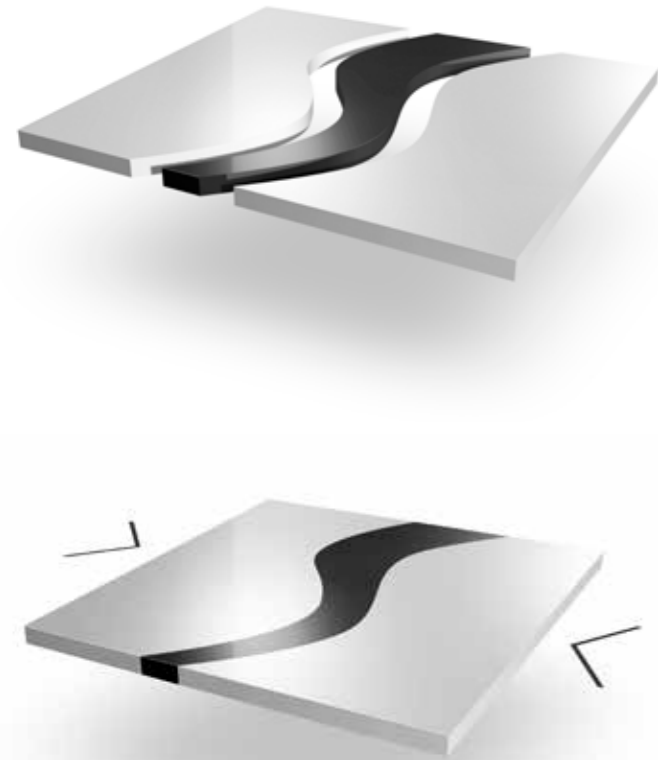
### SUBLIMATION PRINTING

In a sublimation print process, images or colour pigments are pressed via heated paper foil onto the surface of the heated STARON® panel. The colour pigments remain abrasion-proof in the lower layer of the material, just like with tattooing.



## INLAYS

After the milling process, different colour STARON® veins are glued together. The colour structures are retained and complement each other.



## CASTING INLAYS

For smaller inlays, fill up the grooves in the panels with STARON® adhesive in the desired colour and grind off flush.



## INTEGRATED HOBS

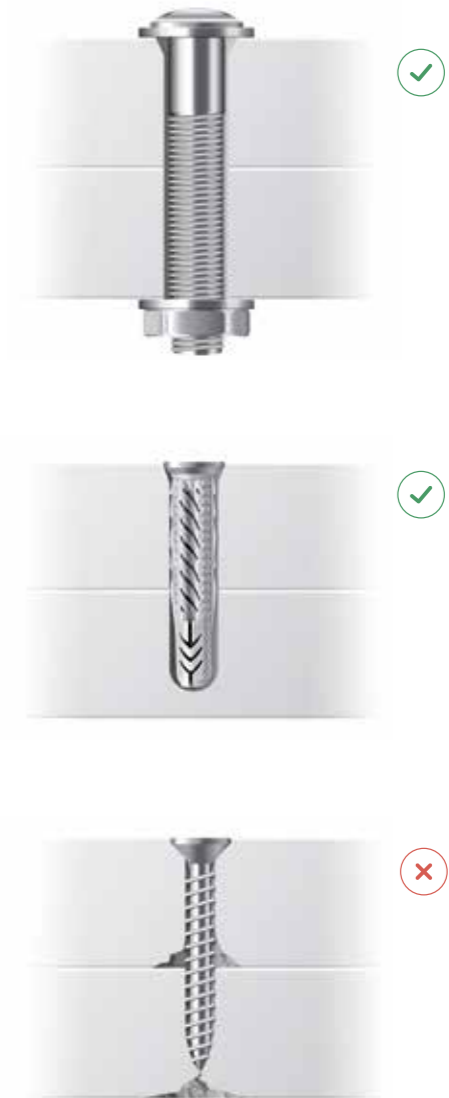
Please pay attention to the following when integrating hobs into STARON® panels:

- Shape the inner corners with tapered radius
- Reinforce the inner corners and cut-out areas with STARON® panel elements
- Mask the panel edges with heat-protection tape
- The use of a heat-resistant support is recommended to avoid heat congestion caused by hot pans etc.



## SCREW FITTING

STARON® panels should never be screwed on directly or with self-tapping screws. Please use plastic dowels where possible. Alternatively, you can use penetrating screws or undercut anchors.



## SURFACE FINISHES

### MATT FINISH

Matt finish is the standard finish for surfaces subject to harsh environments or strain.



### SATIN FINISH

Satin finish has a high lustre and requires more care.



### GLOSS FINISH

Gloss finish has a reflective gloss and requires, depending on use, more intensive care than matt or satin finishes, especially for darker colours. It is recommended to only use gloss finish for vertical areas.



# PRODUCT INFORMATION

## TECHNICAL PROPERTIES

SORT	PROPERTY	TEST METHOD	UNIT	TEST RESULT
<b>Fire resistance</b>	Fire resistance (Euroclass)	EN 13501-1		B-s1 d0
	Fire resistance (Germany)	DIN 4102-1		B1
	Fire resistance (UK)	BS 476 part 6 & 7		class 0
	Fire exposure to roofs tests	EN 13501-5		Broof(t1)
	Fire Testing to Railway Components	DIN 45545-2		R1 / HL3
	Fire Testing to Railway Components	NFPA 130		Approved
	Fire Testing to Marine interior application	MED IMO B, D		Approved
<b>Mechanical property</b>	Flexural modulus	EN ISO 178	MPa	10589
	Flexural strength	EN ISO 178	MPa	62.5
	Elongation at break	DIN EN ISO 178	%	0.83
	Charpy impact	EN ISO 179	kJ/m <sup>2</sup>	1.8
	Compressive strength	EN ISO 604	MPa	181
	Tensile strength	ASTM D 638	psi	6000
	Electrostatic surface resistance	EN 61340-4-1	Ω	>1x10 <sup>12</sup>
	Electrostatic surface resistivity	EN 61340-5-1	Ω	960x109
	Dimensional stability at 20°C - gross	ISO 4586 p10	mm	-0.2
	Dimensional stability at 20°C - weight	ISO 4586 p10	%	-0.2
	Water absorption	ISO 62		0,04% in 24h
	Thermal conductivity	DIN EN 12664	W/mK	0.53 ~ 0.57
	Thermal resistance	DIN EN 12664	m <sup>2</sup> K/W	0.083 ~ 0.092
Thermal expansion	ASTM D 696	mm/mm°C	3.6 * 10 <sup>-5</sup>	
<b>Physical property</b>	Density	ISO 1183	g/cm <sup>3</sup>	1.77
	Impact resistance (Spring force)	DIN EN 438-2	N	>25
	Impact resistance (Height)	DIN EN 438-2	mm	1800
	Surface hardness(Moh's index)	DIN EN 101		2-3
	Resistance to wear and tear	ISO 4586 p6	g / %	0.56 / 0.26
	Anti-slip properties with 100µm	DIN 51130		R10C
	Anti-slip properties with 120µm	DIN 51130		R10C
	Anti-slip properties with 150µm	DIN 51130		R10C
	Light fastness	DIN EN 15187	Blue wool scale	> 6
	Load test	EN ISO 19712-2		No cracks/ 0,10 mm
	Resistance to cigarette burns	EN ISO 19712-2		3
	Resistance against dry heat	EN ISO 19712-2		3
	Resistance against wet heat	EN ISO 19712-2		5
	Resistance against temperature changes	EN ISO 19712-2		Section 4, passed
	Chemical resistance	EN ISO 19712-2		Method A
Stain resistance	EN ISO 26987		No change	
Antibacterial and fungistatic	DIN EN ISO 846 A/C ASTM G 21, G22		No Growth	
<b>Special usage</b>	Facade fixing authorisation	ETA-16/0091		KEIL / Undercut anchor
	Food equipment materials	NSF/ANSI <sup>3</sup> 51 (Food Zone)		Approved

Certificates, test results and information about the properties of Staron® can be obtained upon request from STARON® Customer Services.

# LOTTE WORLD TOWER



## LOTTE

LOTTE is a global Korean company. Founded 50 years ago in Seoul, South Korea, the company has successfully developed through acquisitions and partnerships to become a world leader in the chemical, construction, tourism, retail, finances and food industries.

Lotte Chemical Corp., formerly Cheil Industries, established in 1954 as the founding parent company of the Samsung Group, kicked off its chemical business as part of its portfolio expansion strategy. In 1992, the company started its solid surface business and in 2009 made a foray into manufacturing of engineered stone (quartz surfaces) in a move to strengthen its business portfolio further. In May 2016, the company was renamed as Lotte Chemical Corp., a move forward toward achieving a greater vision of becoming a global supplier of high-quality, decorative surfacing materials.

A brand that cannot be overlooked: With its 555 metres, the LOTTE World Tower in Jamsil-Dong, Seoul, is the highest building in Korea and the 6th highest in the world. The impressive complex surrounding LOTTE World Tower includes a mall, hotels and a theme park.

**LOTTE CHEMICAL DEUTSCHLAND GMBH**

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