



staron[®]

Solid Surfaces

STARON®

A PREMIUM SOLID SURFACE MATERIAL

DURABILITY | COLOUR VARIETY | DESIGN WITHOUT LIMITS

Staron's Acrylic Solid Surfaces are a homogeneous, non-porous composite material, available in diverse colors and patterns, suitable for various environments.

As the demand for organic designs surges, Staron steps forward, pioneering innovative methods and technologies to bridge this gap. Its thermoforming capability allows effortless creation of organic shapes for sophisticated interior and exterior layouts.

Installation of Staron surfaces is straightforward, offering flexibility based on project requirements. With its many advantages and versatile application possibilities, Staron is a convincing contribution to the private, commercial and healthcare sectors alike. The surfaces can be polished to varying levels of glossiness and easily engraved with designs, retaining quality and requiring minimal maintenance.

Why choose Staron? It boasts certifications from internationally recognized standard organizations like GREENGUARD, ISO 14001 and BREEAM. These endorsements testify to the product's low emissions and adherence to environmental regulations.

At Staron, commitment extends beyond product creation; it serves as *Your Design Solution*.



Magnolia VM143

FEATURES & BENEFITS



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



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.

EVERY STEP FOR GREEN

SUSTAINABLE STARON®

SCS Recycled Content Certification

The SCS Recycled Content Certification independently verifies the percentage of a product made from recycled content or materials. In our Solid collection, Bliss, Sunflower(N), and Universe(N) meet the criteria for these eco-friendly materials.



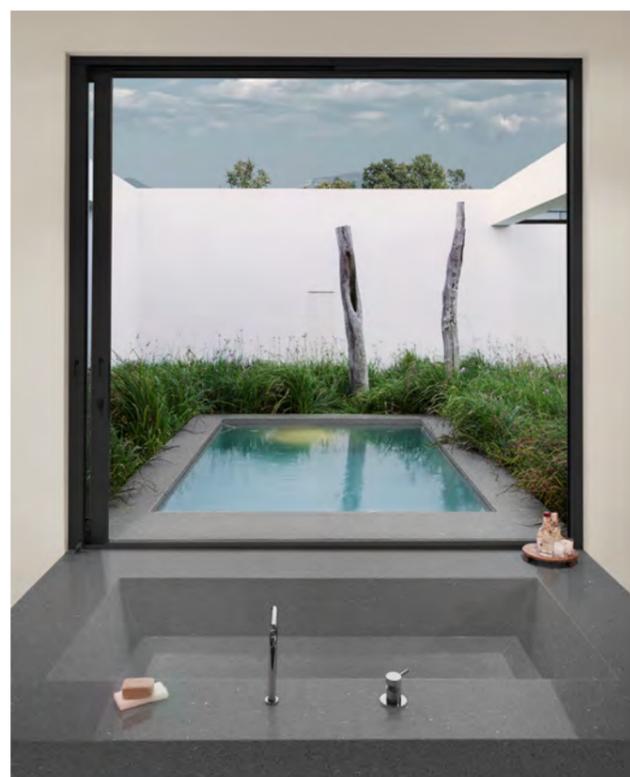
Bliss
SB022



Sunflower(N)
SS042



Universe(N)
SU053



Environmental Product Declaration (EPD) Certification

EPD certification focuses on providing transparent and verified information about the environmental impacts of a product throughout its life cycle, including its production, use, and disposal.



UL GREENGUARD Certification

GREENGUARD Gold Certified products are low-emitting and contribute to cleaner indoor air for you and your family. Certified products are screened for more than 15,000 VOCs known to pollute indoor air.



BREEAM (Building Research Establishment Environmental Assessment Method)

BREEAM is the world's leading sustainability assessment method for projects, infrastructure, and buildings. By undergoing environmental, social, and economic sustainability performance assessments and obtaining certification, Staron promotes sustainability and benefits both people and the environment.



ISO (Environmental & Quality Management System)

Staron consistently strives to systematically fulfill its responsibilities. This includes meeting the standards set by environmental management systems [ISO 14001], effective energy management systems [ISO 50001], occupational health and safety management systems [ISO 45001], and quality management under [ISO 9001].



Health Product Declaration (HPD) Certification

The HPD Open Standard, developed by HPDC, provides a standardized format for manufacturers to disclose product contents and associated health information, empowering stakeholders to create healthier buildings. Architects and building owners can use the HPD to help products contribute more toward LEED or WELL qualification.



Each certification is available on our website.



Terrazzo Bologna NT970



Our Collections

NEW COLLECTIONS

OVERVIEW OF ALL COLLECTIONS

Premiere

Inspired by the fluidity and grandeur of music, our new Premiere Collection embodies softness and sophistication in every detail. The Largo, Legato and Gravita Collection captures the rich veining of natural marble with a unique dual-line design, adding an elegant touch to any space. The Veins cross and intertwine, enhancing the luxurious feel even further. Imagine the natural, soft patterns of stone seamlessly integrated onto acrylic surfaces – it's like bringing the serene lines of nature indoors.



Premiere Gravita VG392



Premiere Largo VL312

PREMIERE LARGO

VL312



PREMIERE LEGATO

VL322



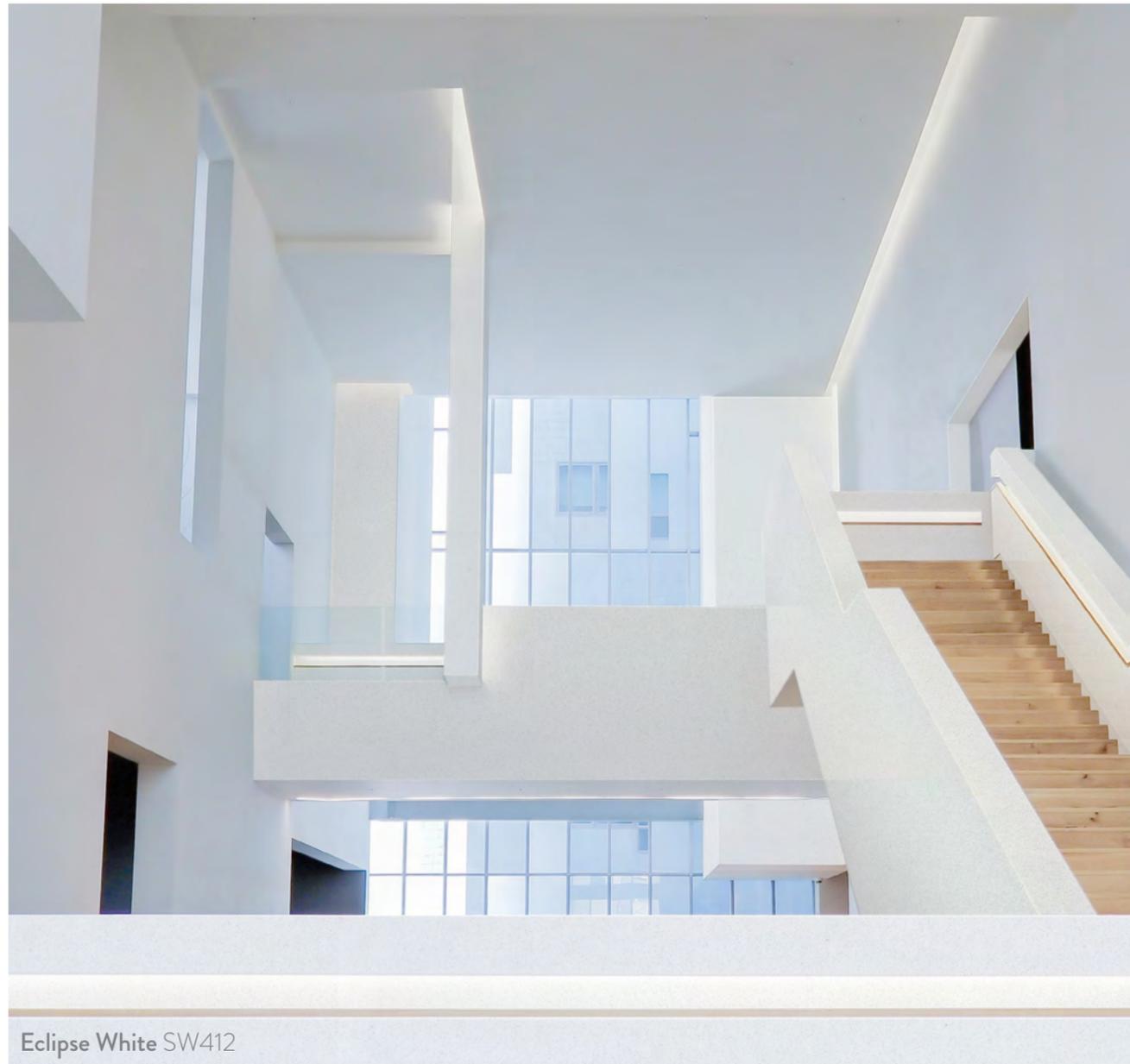
PREMIERE GRAVITA

VG392



ECLIPSE COLLECTION

Eclipse Collection aims to craft spaces that radiate a tranquil atmosphere and function as natural energy sources. Featuring a resilient design adorned with unique sand chips, the Eclipse Collection harmonizes with delicate particles, adding a subtle sparkle that glimmers from every angle.



Eclipse White SW412

ECLIPSE WHITE



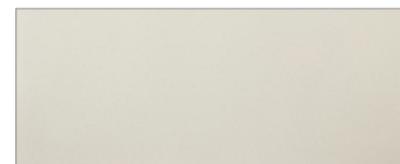
SW412

ECLIPSE CREAM



SW444

ECLIPSE AEON



SA473

ECLIPSE LUNA



SL477

STUCCO COLLECTION

The Stucco Collection is inspired by traditional stucco techniques, combining lime, fine sand, and other elements to create textured wall finishes resembling natural tones. Staron has reimagined and embraced the captivating texture and natural charm of stucco, integrating them into their designs with a contemporary touch. The base displays a delicate, feather-like pattern with occasional semi-transparent chips, evoking the appearance of finely embedded pebbles in a polished wall.

STUCCO ANGORA

NA972



STUCCO HAZE

NH988



Stucco Angora NA972

TEMPEST STELLA

Introducing Staron's Tempest Stella collection, where natural beauty meets versatility. With a neutral foundation scattered with a myriad of chips, it effortlessly captivates with the charm and sparkle of a starry night.

CYGNUS

FC117



VELA

FV126



Supreme™

TIMELESS BEAUTY

Supreme Collection is Staron's premium collection inspired by the natural energy of the marble and nature itself. The timeless beauty of the stone is captured in the Supreme collection featuring eye-catching swirls and subtle veined patterns within its smooth colours. A delicate aesthetic combined with the advantages of staron solid surface assures endless design possibilities.



ORGANIC PATTERN

Supreme seeks to present real marble, revealing unexpected moments of nature formed by enduring harsh conditions over time.



ELEGANT VEINS

Flowing linear veins extend beyond the surface, elegantly transforming your space.



TRANSLUCENT

The vein conveys a sense of depth by the effects of reflection, refraction, and overlay through light.





Natural Bridge VN144



Supreme Cloudbank VC118
Cafe Interior Design

STANDARD COLLECTIONS

We strongly believe that inspiration can manifest in countless forms. In the case of the Staron collections, it manifests in numerous ways. Here, you'll discover eight more collections, each meticulously crafted

to reflect the essence of nature and human endeavour. All decors are thoughtfully grouped into beautifully distinctive ranges, ensuring that every design preference and aesthetic inclination finds its perfect match.



SOLID

Forest SF061

Color conveys simple yet powerful messages and embodies numerous emotions. Intense colors communicate a rich sensibility as well as a lively and friendly atmosphere full of positive energy. These refreshing solid colors are expected to have a greater impact in various commercial spaces.

SANDED

Sanded Cream SM421

Sanded by Staron effortlessly complements any space with its versatile design. Its fine particles resembling tiny grains of sand. From cooler greys to warmer tones, Sanded provides soft tones of colors that exude elegance and warmth, perfect for achieving a serene retreat or a chic, modern ambiance.

ASPEN

The essence of Staron's Aspen lies in its classic allure, inviting a second glance with its enduring charm. It's a choice that never tires, offering enduring sophistication and elegance.



Aspen Brown AB632

PEBBEL

Staron's Pebble Collection centers around a dynamic play of color through its unique tone-on-tone color chips. It's like a vibrant canvas, where one primary hue takes the lead and is joined by a chorus of graded tones, creating a mesmerizing composition of color harmony.



Pebble Saratoga PS820

METALLIC

Embrace the courage to uplift your space with the luminous glow of the Metallic Collection. Featuring sparkling silver chips in dark grades, this collection effortlessly adds a touch of luxury to any environment, making your space feel more opulent than ever.



Metallic Galaxy EG595

TERRAZZO

While rooted in tradition, Terrazzo design is increasingly being embraced in our spaces. Designed with modern and unique living in mind, this on-trend surface features a matrix adorned with colorful and geometric chips, adding a touch of vibrancy and personality to any environment.



Terrazzo Venezia NT150

QUARRY

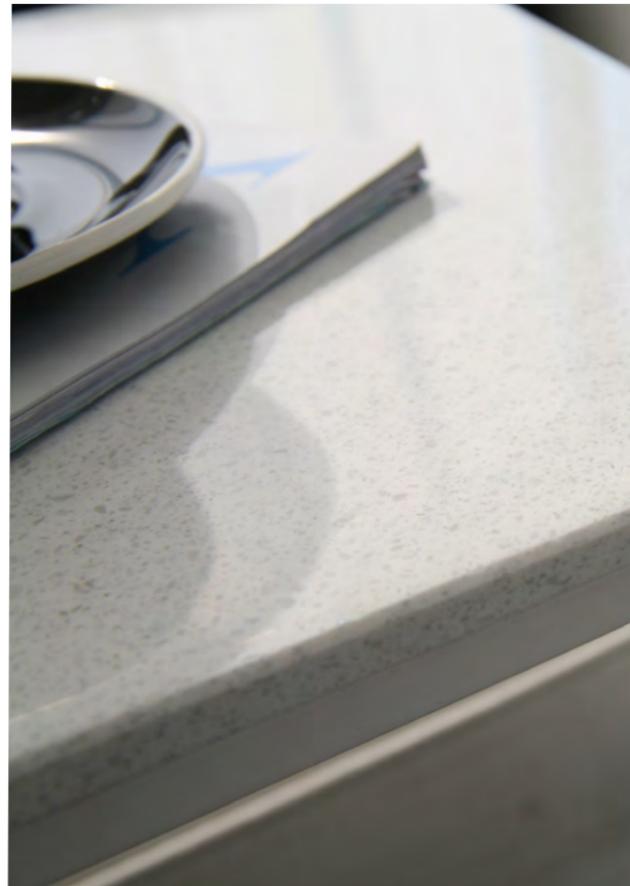
Quarry is the collection designed for those moments when you want to add a touch of uniqueness or make a statement in a space. This collection is tailored to immediately capture attention, exuding strength and richness, and leave a lasting impression in your space.



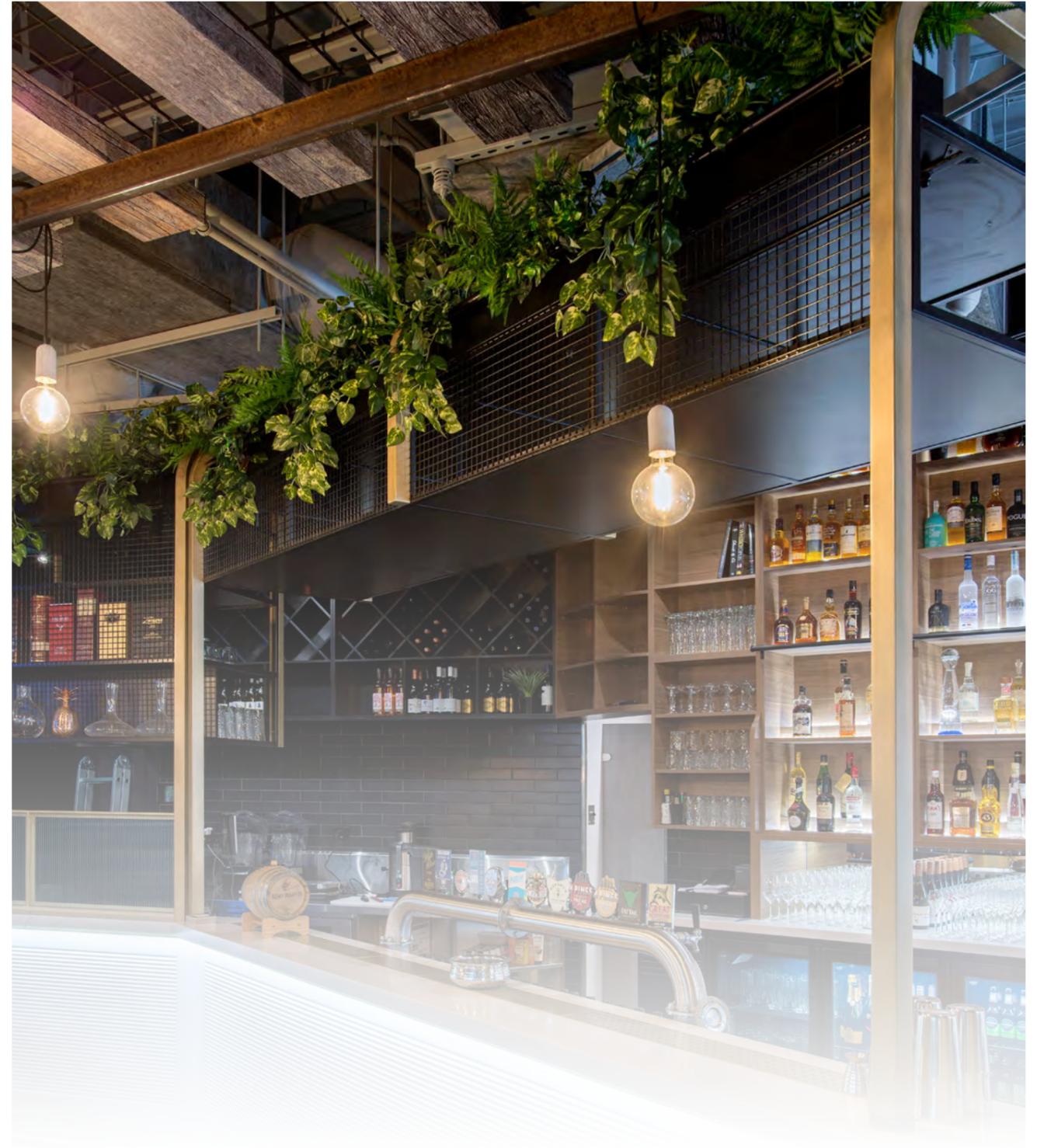
Quarry Oyster TO310

TEMPEST

The hallmark of the Tempest Collection is its luxurious essence. What sets Tempest apart is its harmonious and impeccable composition of chips—varying in size, color, and a hint of subtle sparkle. It's like walking into a star-studded gala, where every detail is carefully curated to elevate your space to new heights of sophistication and allure.



Meteor FM111



Gallery

FEATURED PROJECTS

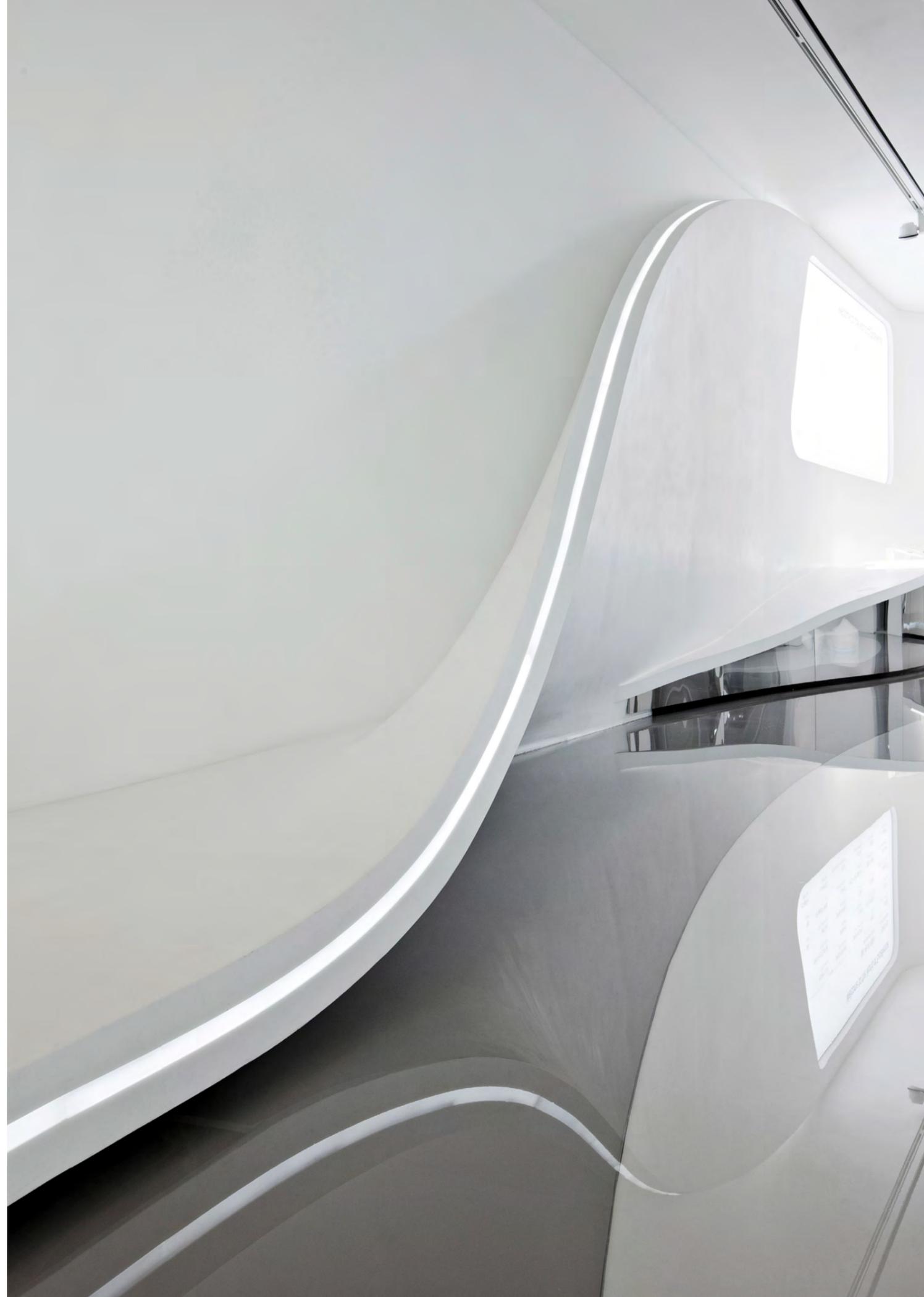
PUBLIC BUILDINGS



Samsung Education Center

Location: Suwon, South Korea
Architects: Changjo-Gwan

Pure White SP016





Reception Desk in Meijburg & Co Headquarter

Location: Amstelveen, Netherland
 Fabricator: Solid Surface International

Bright White BW010



▲ Warsaw Spire

Location: Warsaw, Poland
 Designed by Massive Design

Bright White BW010



◀ Reception Desk

Location: Italy
 Designer & Architect: Roberto Mallardo, Bova Architetti

Ocean View VO171

HOSPITALITY



Marriott Renaissance Hotel

Location: Barcelona, Spain
Designer & Architect: Ateliers Jean
Nouvel, Ribas & Ribas
Photographer: A. A. Fuentes

Bright White BW010



Buizen 52 Cruising

Location: Australia
Designed by: Buizen Yachts

Pearl SP011

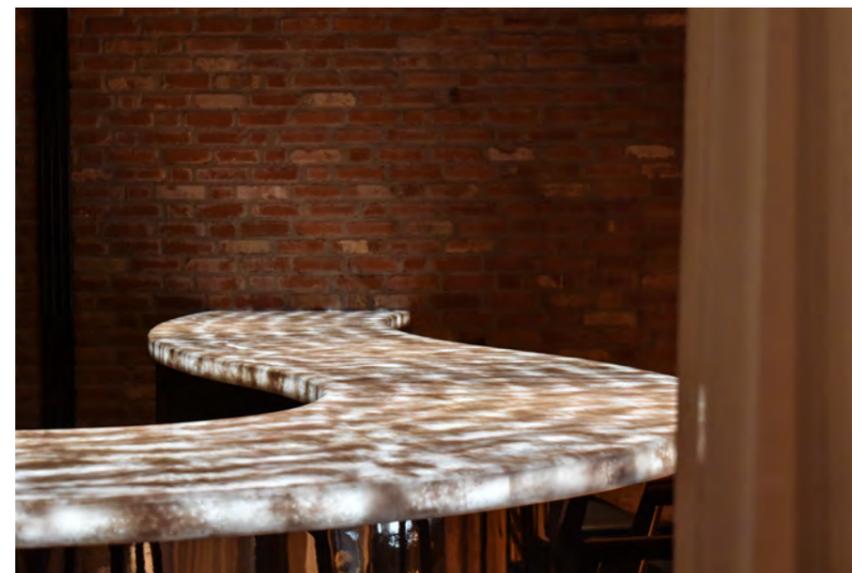
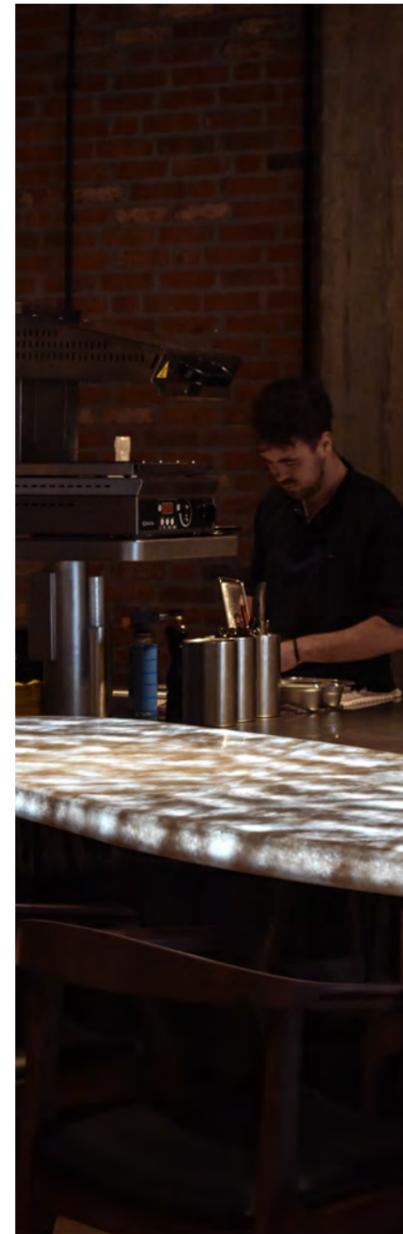




Glam Studio

Location: South Korea
Designed by Glam Studio

Terrazzo Venezia NT150



Zarzo Restaurant

Location: Eindhoven, Netherlands
Copyrights: Solid Surface Int.

Ocean View VO171

SHOPFITTING



◀ Dreher's Gusto Bakery

Location: Germany
Fabricated by Co. Boschert
Ocean View VO171

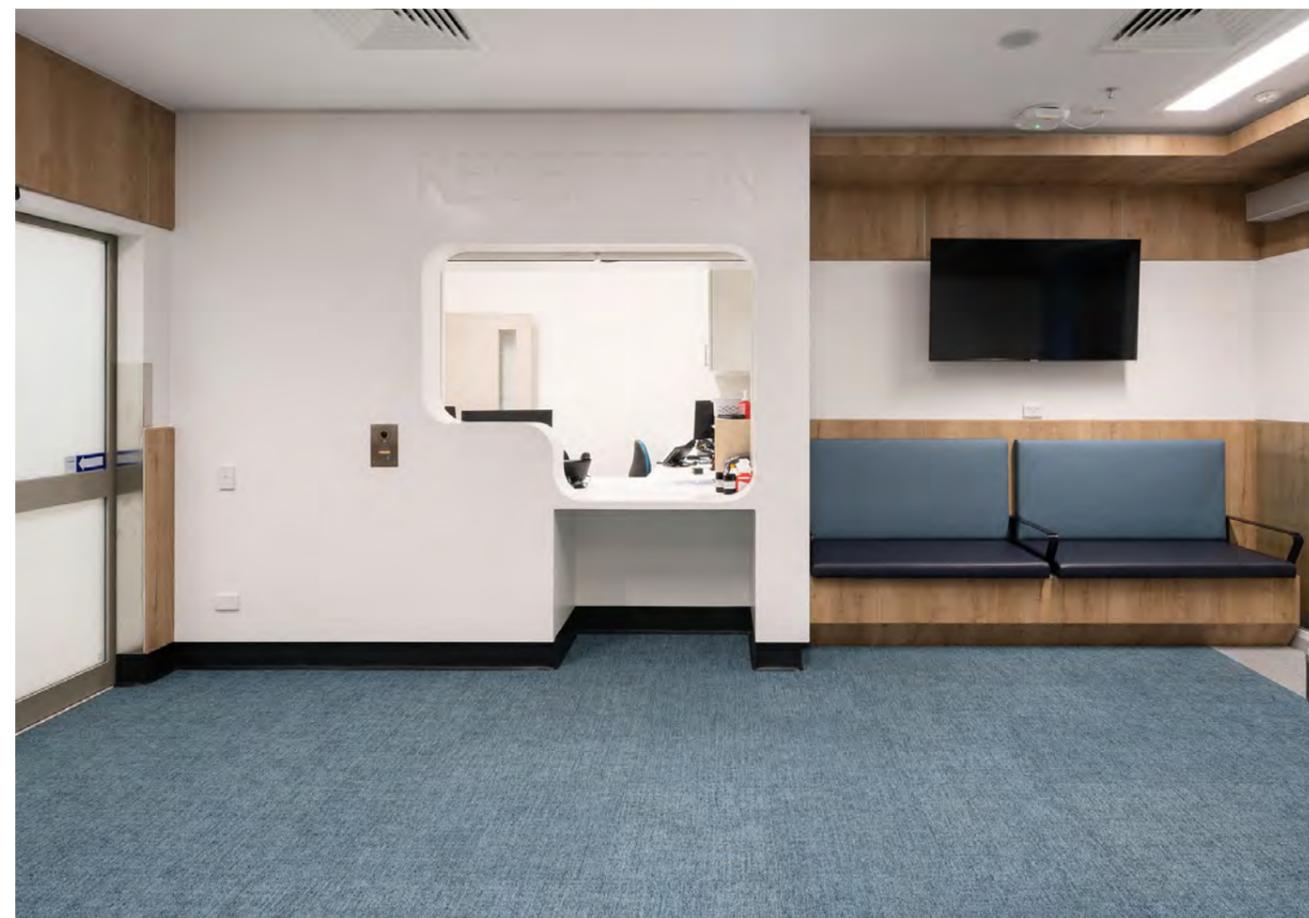


Kuho Shop

Location: Jeju, Korea
Bright White BW010



HEALTHCARE



▲ Ahrend Healthcare Inspiration Studio Showroom

Location: Dubai
Designed by MASSA Interior Design & Architecture

Bright White BW010

Redcliff Hospital ▶

Location: Australia
Designer & Architect: Dayne Mearns, Thomson Adsett

Pebble Swan PS813



RESIDENTIAL



457 Bli Bli

Location: Australia
Designed by Copper Small

Ocean View VO171



◀ Sculptural Island

Location: Australia
Designed by Enigma Interiors

Bright White BW010



Marazzi Project

Location: Yorkshire, UK
Designed by Marrazzi Design
Fabricated by Prestige Work Surfaces Ltd

Tempest Peak FP100



FURNITURE



▲ Staron Furniture

Location: Swiss
Designer: GLAD Ltd Company

Bright White BW010



▲ Pebble Table

Designed by Misha Belyaev
Bright White BW010

CLADDING SOLUTIONS



Plumeria House

Location: Bangkok, Thailand
Designer & Architect: Neo Exhibit Co., Ltd.
Fabricator: Knight Furnich Co., Ltd.

Bright White BW010



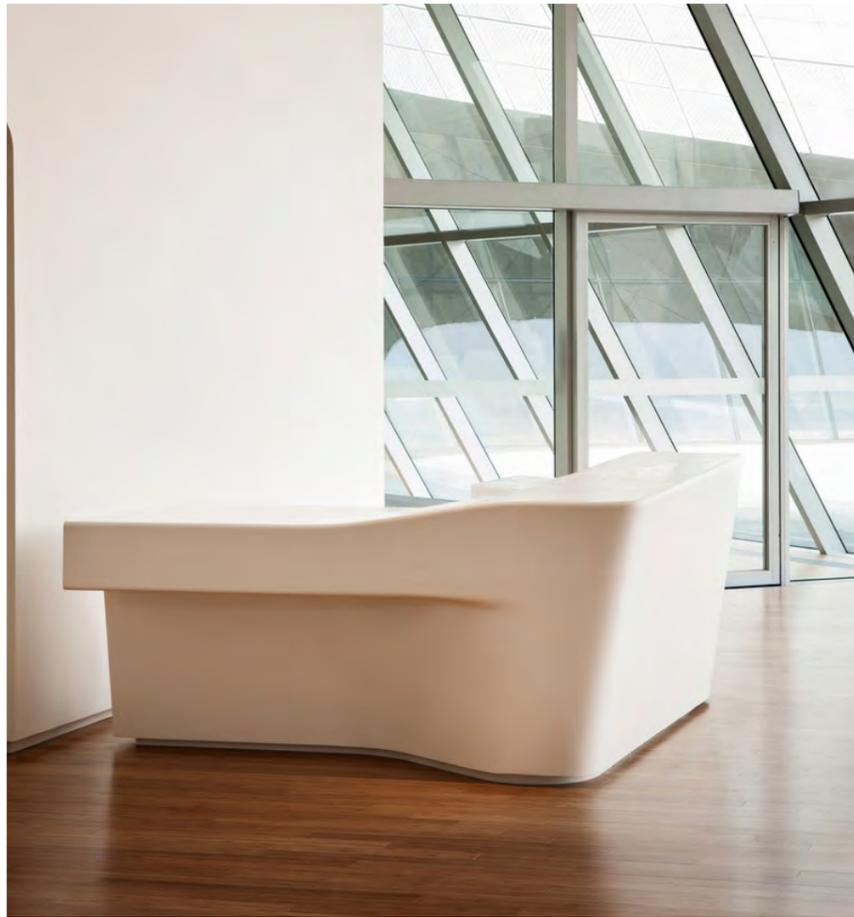
APE Grupo's Logistics Centre

Location: Spain

Bright White BW010

Choosing Staron® solid surface for cladding is a smart move packed with benefits. Its lightweight nature not only makes handling a breeze but also enhances safety, especially during renovations where lighter materials are preferred. With top-notch flexural and tensile strength, Staron® ensures a stable installation that boosts the overall stability of your building. Plus, its impressive fire resistance brings peace of mind, backed by a stellar B-s1 d0 rating(EN 13501-1).

Staron® goes beyond conventional design limitations with its thermoforming capabilities, allowing for stunning curved exteriors that stand out. And when it comes to durability, Staron® shines. Rigorous testing ensures it can withstand the toughest outdoor conditions, maintaining its aesthetic appeal for the long haul. Staron® solid surface for exterior cladding doesn't just elevate aesthetics – it's a practical, safe, and durable choice for outdoor applications.



Dongdaemun Design Plaza

Location: Seoul, South Korea
Application: Wall Cladding
Designed by Zaha Hadid Architects
Pure White SP016



A Crystalbrook Collection Resort

Location: Queensland, Australia
Designed by Tim Bentley, Thomson Adsett

Supreme Delphi VD111

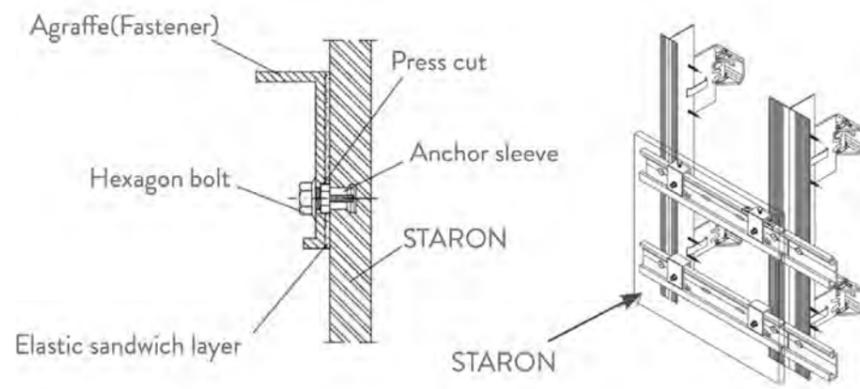
CLADDING FEATURES

EUROPEAN TECHNICAL ASSESSMENT CERTIFIED [ETA-16/0091]

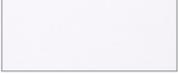
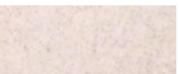
INSTALLATION

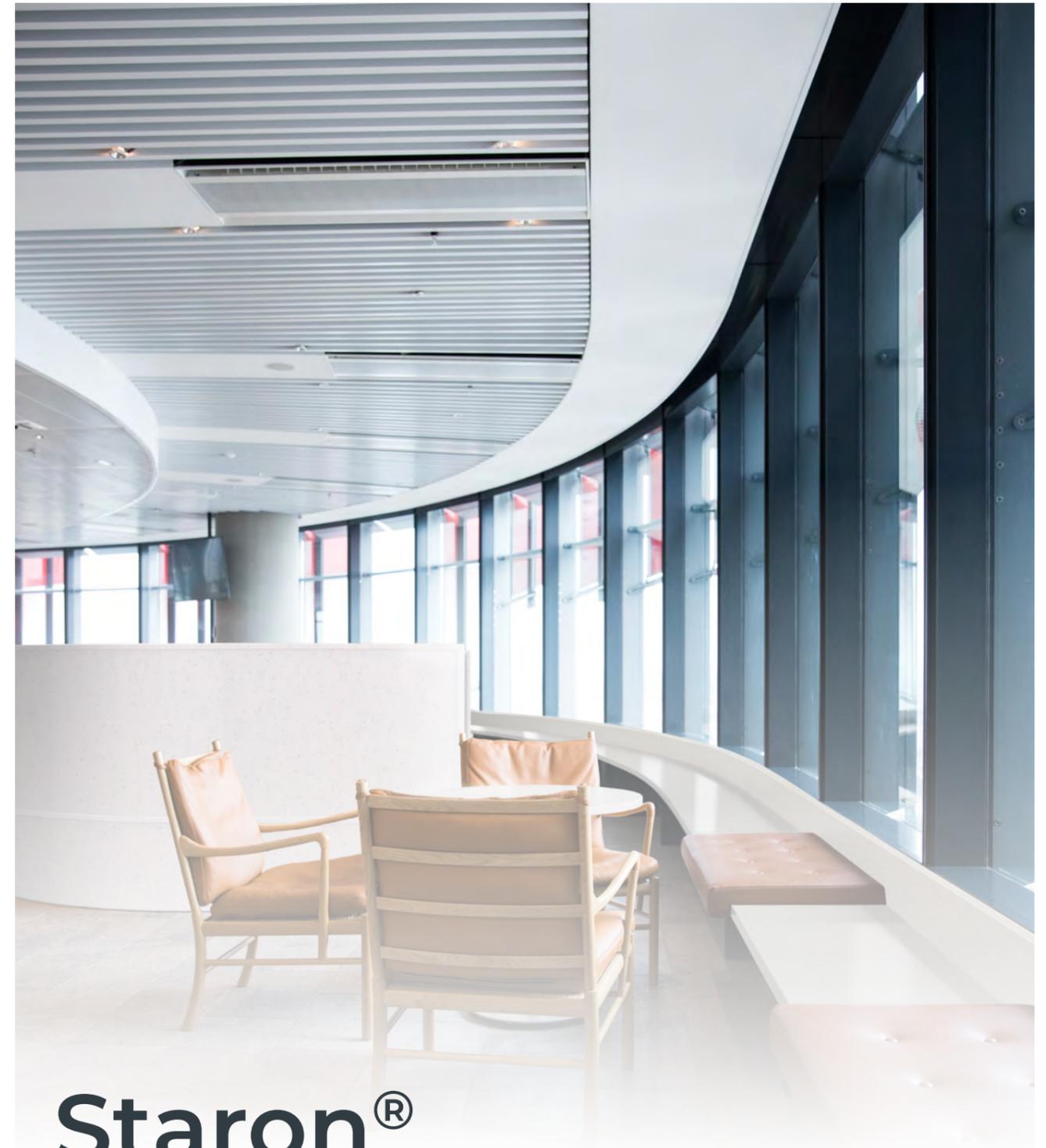
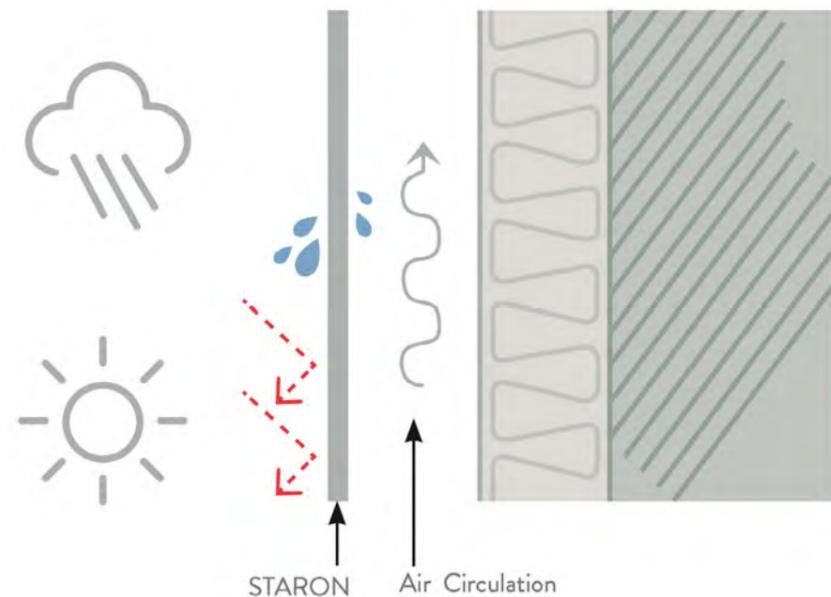
Ventilated facade cladding system and undercut anchor is the official and proper fixing method for Staron® panels of 12 mm thickness.

UNDERCUT ANCHOR AND CLADDING FIXING:



RECOMENDED COLOURS:

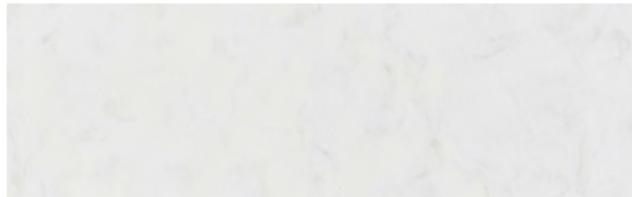
	
Dazzling White SD001	Bright White BW010
	
Pure White SP016	Quasar White SQ019
	
Sanded Icicle SI414	Pearl SP011
	
Aspen Glacier AG612	Aspen Snow AS610
	
Sanded White Pepper WP410	Sanded Grey SG420
	
Sanded Heron SH428	Sanded Sahara SS440
	
Sanded Vermillion SV430	



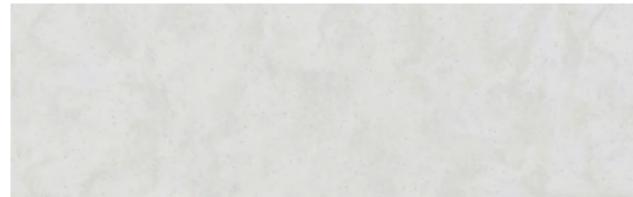
Staron® Colours

THE COMPLETE STARON®
COLOUR RANGE

Supreme™



Delphi
VD111



Cloudbank
VC118



Dawn
VD126



Magnolia
VM143



Natural Bridge
VN144



Dandelion
VD175



Ocean View
VO171



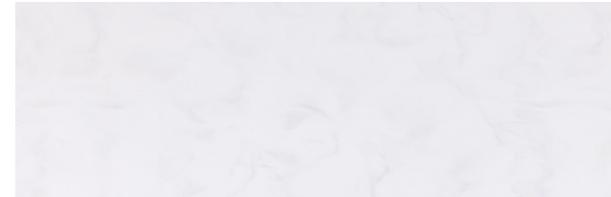
Loam
VL155



Flux
VF113



Ash Concrete
VA129



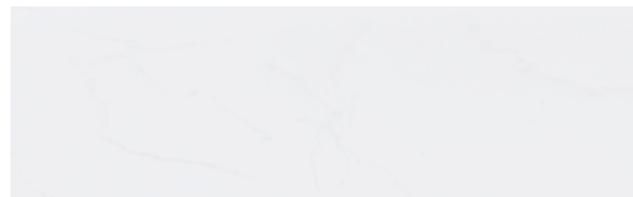
Downy Dove
SP105



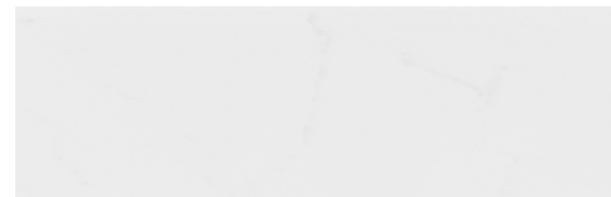
Downy White
SF100



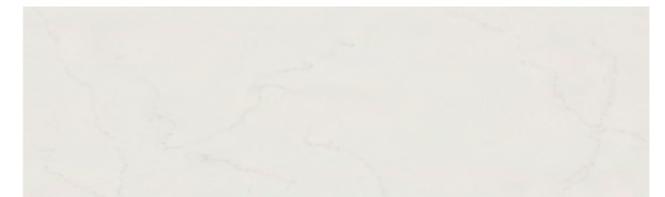
Snowfall
VS324



Cotton White
VC110



Morning Sky
VM114



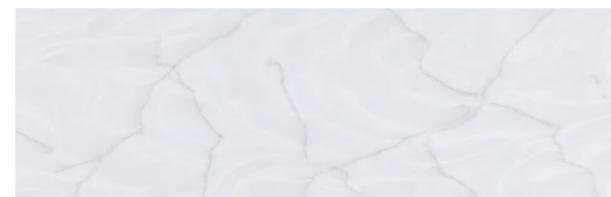
Beige Granite
VB172



Urban Grey
VU127



Arctic White
VA311



Rotor Cloud
VR322



Flat White
VF345



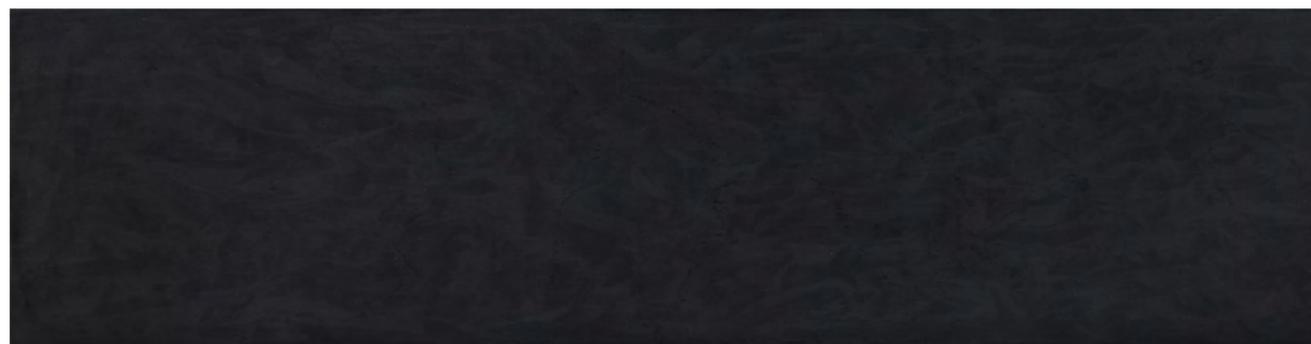
Premiere



Premiere Largo
VL312



Premiere Legato
VL322



Premiere Gravita
VG392



Premiere Gravita VG392

SOLID



Bliss ❖
SB022



Bright White
BW010



California Poppy(N) ❖
SC052



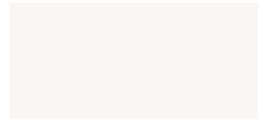
Dazzling White ☀️
SD001



Fog
SF020



Forest ❖
SF061



Ivory
SI040



Natural
SV041



Oasis ❖
SO064



Onyx ❖
ON095



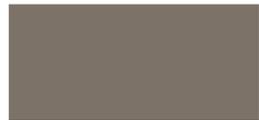
Pearl
SP011



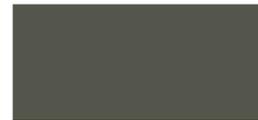
Pure White
SP016



Quasar White
SQ019



Serene ❖
SS023



Steel ❖
ST023



Sunflower(N) ❖
SS042



Ultramarine ❖
SU067



Univers(N)
SU053

*Design: Shane O'Hara, SOH Design & Fitout
Photography: Roslyn Budd*



California Poppy(N) SC052

SANDED



Sanded Birch
SB412



Sanded Chestnut ❖
SC457



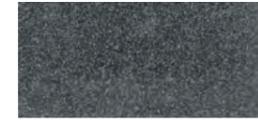
Sanded Clay ❖
SC475



Sanded Cornmeal
SC433



Sanded Cream
SM421



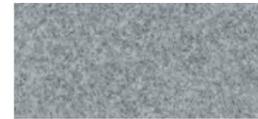
Sanded Dark Nebula ❖
DN421



Sanded Gold Dust
SG441



Sanded Goose
SG428



Sanded Grey
SG420



Sanded Heron
SH428



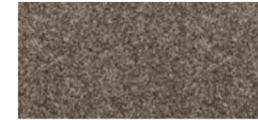
Sanded Iceblue ☀️
SI462



Sanded Icicle
SI414



Sanded Mint ☀️
SM463



Sanded Mocha ❖
SM453



Sanded Onyx ❖
SO423



Sanded Sahara
SS440



Sanded Stratus
SS418



Sanded Taupe ❖
ST486



Sanded Tundra ❖
ST482



Sanded Vermillion
SV430



Sanded White Pepper
WP410

TEMPEST



Caviar ❖
FC188



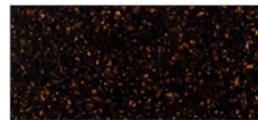
Coffee Bean ❖
FC158



Meteor
FM111



Peak
FP100



Radiance(Shimmer) ❖
FR148



Zenith
FZ184

QUARRY



Mosaic Dalmatian
QD212

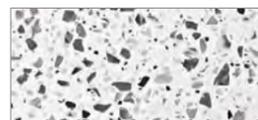


Quarry Oyster
TO310

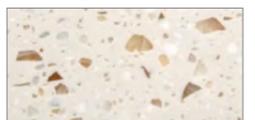


Quarry Starred(N) ❖
QS288

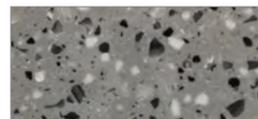
TERRAZZO



Terrazzo Venezia
NT150



Terrazzo Bologna
NT970



Terrazzo Torino
NT981

TEMPEST STELLA



Cygnus
FC117



Vela
FV126

ECLIPSE



Eclipse White
SW412



Eclipse Cream
SC444



Eclipse Aeon
SA473



Eclipse Luna
SL477

STUCCO



Stucco Angora
NA972

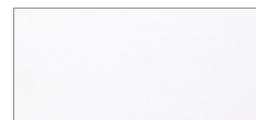


Stucco Haze
NH988

METALLIC



Metallic Galaxy ❖
EG595

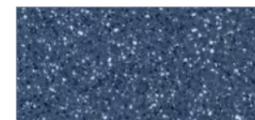


Metallic Yukon
EY510



Metallic Sleeksilver(N) ❖
ES582

PEBBLE



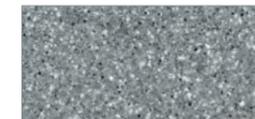
Pebble Blue ❖
PB870



Pebble Ebony ❖
PE814



Pebble Gold
PG840



Pebble Grey
PG810



Pebble Ice
PI811



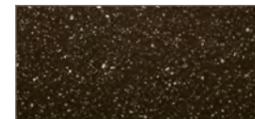
Pebble Saratoga
PS820



Pebble Swan
PS813



Pebble TeaRose
PT845



Pebble Terrain ❖
PT857

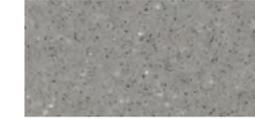
ASPEN



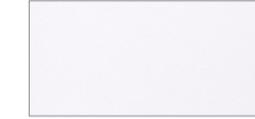
Aspen Alder
AA625



Aspen Brown
AB632



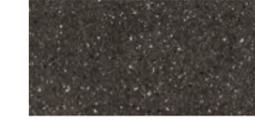
Aspen Concrete
AC629



Aspen Glacier
AG612



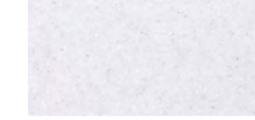
Aspen Lily
AL645



Aspen Mine ❖
AM633



Aspen Pepper
AP640



Aspen Snow
AS610

*The printed colours may differ from actual products.
Please contact us for sample request.*

❖ *High-maintenance requirements.*

☀ *Translucent colours.*



Aspen Snow AS610

KITCHEN SINKS

AVAILABLE MODELS

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.

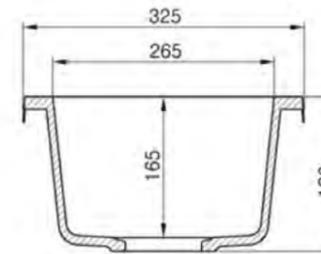
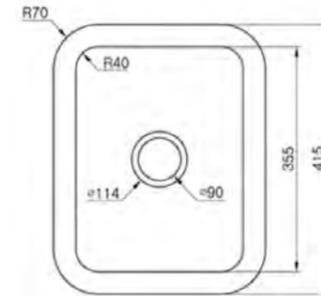
Choose from five coordinated sink colour options from a collection of ten, popular models.



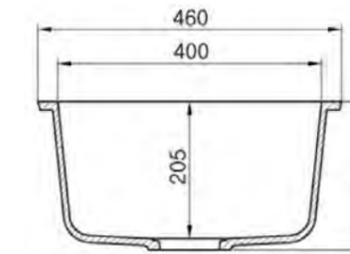
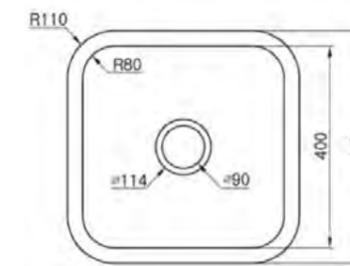
Designer & Architect: Darren James Interiors, a Brisbane Based design studio

Bright White BW010

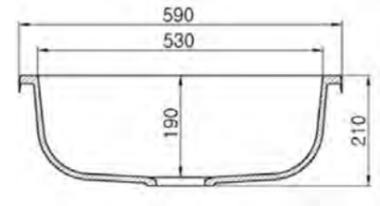
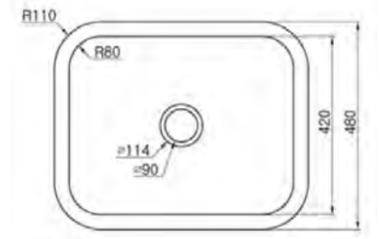
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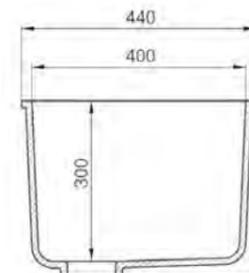
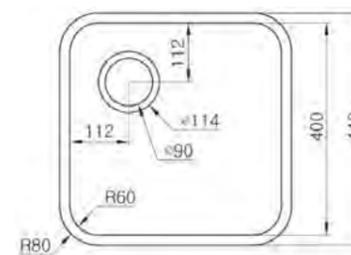
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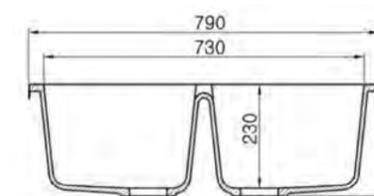
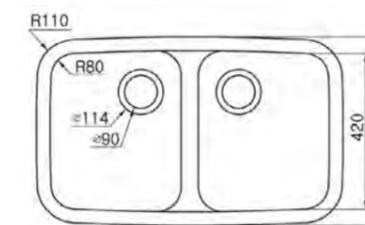
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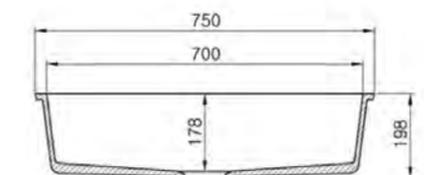
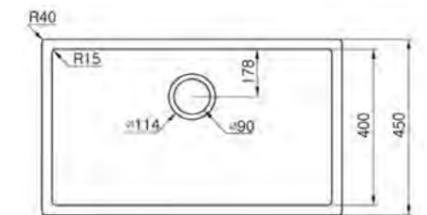
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A2311



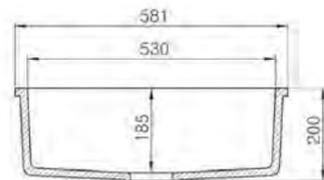
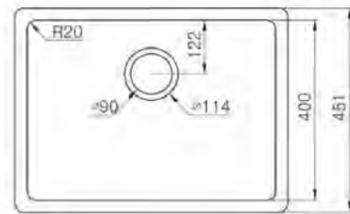
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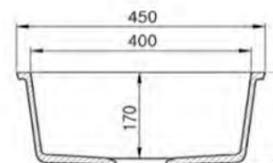
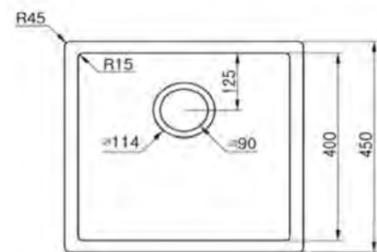
BATHROOM WASHBASINS

AVAILABLE MODELS

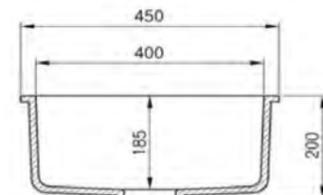
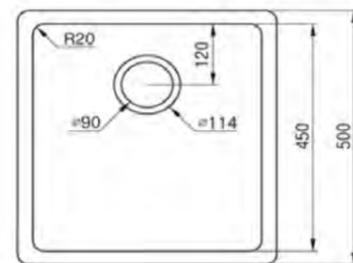
B1212



B3180



B1177

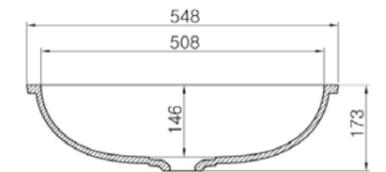
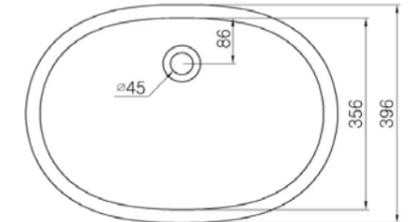


PERFECT SOLUTION FOR HEALTHCARE PROVIDERS

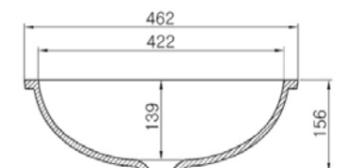
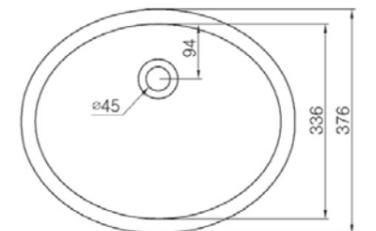
Infection prevention starts at the surface.

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.

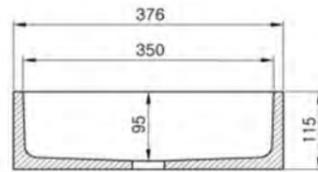
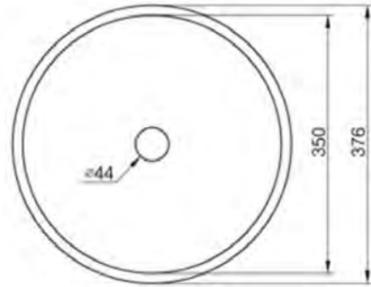
A3211



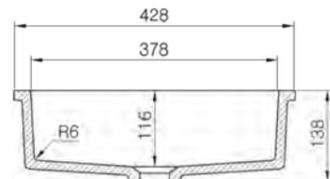
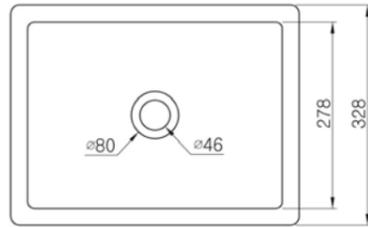
A3181



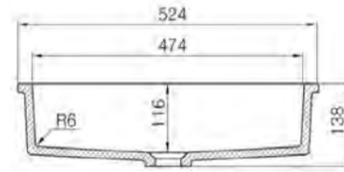
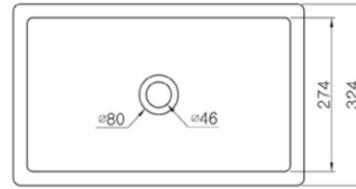
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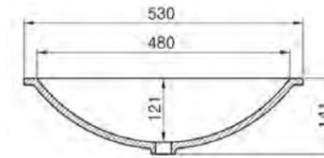
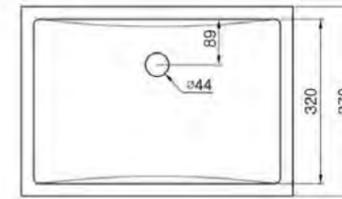
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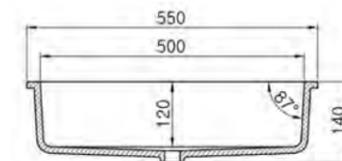
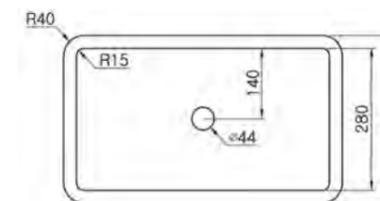
B3190



B3192



B3200



Photography: Think Dzine and Darren James



Fabricator: Solid Surface International

Sanded Dark Nebula DN421

Colour Options



Bright White
BW010



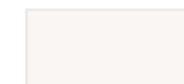
Pearl
SP011



Pure White
SP016



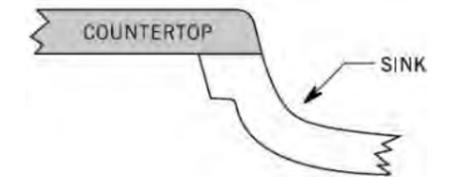
Quasar White
SQ019



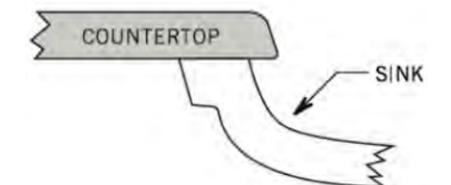
Ivory
SI040

Mounting Options

Seam Mount



Under Mount



SUPER FLEX



SPECIALISED FORMULA FOR DRAMATIC CURVES & DESIGNS

Staron® Super Flex allows for more dramatic curves and flexibility, resulting in high-performance applications in all commercial, residential, and public space projects. Discover the new Staron innovation and start designing your new futuristic and functional space.

HIGH ELONGATION

The elongation rate of Staron® Super Flex is twice as high as that of existing Staron® colours.

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.

'Infinite(IF 188)' for Super Flex is exclusively available for project orders. Please contact us for more information.



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.

COLOUR	Panel Thickness (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

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





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.

Please refer to 'Staron Colours' to check the translucent decors that can achieve the backlight effect.



Dawn (Gloss Finish) VD126

SURFACE FINISHES

Matt Finish

staron®



Satin Finish

staron®



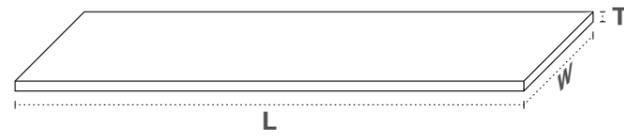
Gloss Finish

staron®



PANEL DIMENSIONS

T THICKNESS	W WIDTH	L LENGTH	WAREHOUSE OPERATION
mm	mm	mm	
19	760	3.680	
12	760	3.680	○
	930*	3.680	○
	1.350*	3.680	○
	1.520*	3.680	
9	760	3.680	
	930*	3.680	
	1.350*	3.680	
6**	760	2.500	○
	930*	2.500	
	930*	3.680	



* Only available in Bright White (BW010), 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.

MAINTENANCE & CARE

The maintenance effort, in general, depends on the color and the selected finish. Brighter colors and matte finishes require less care than dark colors and glossy finishes.

Standard care and maintenance:

To remove small scratches or stubborn stains from surfaces with matte or satin finishes, gently rub in circular motions using a damp sponge and a mild scouring agent. Afterwards, rinse thoroughly with clear water and dry with a clean cloth to prevent streaking. For dark colors and glossy finishes, refrain from using abrasive cleaners, scrubbing sponges, or wire wool. To maintain the gloss, only use a gentle cleaner.

- Never place hot pots or pans directly on STARON® surfaces. To prevent heat damage, always use heat-resistant supports or coasters with soft feet.
- Avoid exposing STARON® surfaces to harsh chemicals or corrosive substances. Rinse immediately after contact.
- Promptly clean off any staining food or residue from the surfaces. Rinse immediately after contact.
- Refrain from cutting directly on STARON® surfaces; always use a cutting board.
Your joiner-carpenter can repair deeper scratches or stubborn stains by grinding them down.

PRODUCT INFORMATION

SORT	PROPERTY	TEST METHOD	UNIT	TEST RESULT
Fire resistance	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 1
	Fire properties [France]	M2		NFP92-501
	Fire exposure to roofs tests	EN 13501-5		Broof(t1)
	Fire Testing to Railway Components	DIN 45545-2		R1 / HL3
	Fire Testing to Marine interior application	MED IMO B		Approved
Mechanical property	Flexural modulus	EN ISO 178	MPa	10589
	Flexural strength	EN ISO 178	MPa	62,5
	Elongation at break	EN ISO 178	%	0,83
	Charpy impact	EN ISO 179	kJ/m ²	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 ¹²
	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	23°C, 24h	0,04%
	Resistance to impact	EN 13245-1		no damage
	Thermal conductivity	DIN EN 12664	W/mK	0.53 ~ 0.57
	Thermal resistance	DIN EN 12664	m ² K/W	0.083 ~ 0.092
	Thermal expansion	ASTM D 696	mm/mm°C	3.6 * 10 ⁻⁵
Physical property	Density	ISO 1183	g/cm ³	1,77
	High-pressure decorative laminates	DIN EN 438-2	N	>25
	Impact resistance (Height)	DIN EN 438-2	mm	1800
	Edge squareness deviations	DIN EN 438-2	mm	Max 0.55
	Dimensional stability	EJ-3862/20	mm	0.02
	Surface hardness(Moh's index)	DIN EN 101		2-3
	Resistance to wear and tear	ISO 4586 p6	g / %	0.56 / 0.26
	Slipresistance of pedestrian surfaces	Annex A and NB.1	16,0° - A	DIN EN 16165
		Annex B and NB.2	16,0° - R 10	DIN EN 16165
	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		4
	Resistance against dry heat	EN ISO 19712-2		No change
	Resistance against wet heat	EN ISO 19712-2		5
	Chemical resistance	EN ISO 19712-2		Method A
Resistance to stain	EN ISO 26987		No change	
Antibacterial and fungistatic	DIN EN ISO 846 A/C		No growth	
Special usage	Facade fixing authorisation	ETA-16/0091		KEIL / Undercut anchor
	Food equipment materials	NSF/ANSI ³ 51 (Food Zone)		Approved



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