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Healthcare Surfaces Redefined





Design performance has never looked so good

Staron has completely redefined the concept, design and application of acrylic solid surface - including what it can do, how it performs and how it can improve healthcare environments both visually and hygienically. Acrylic Solid surface is not just for countertops anymore – it's now the perfect choice for just about any surface in a healthcare setting. Durable and ultrahygienic, Staron ushers in a whole new world of solid surface application with an extensive selection of colors, designs and patterns – plus the capability to thermo-form and install without visible, seams, gaps or joints.

A perfect blend

Staron is a versatile and durable composite material that is manufactured by blending high-performance acrylic with organic fillers and pigments.



Infinite uses for healthcare

Nurses' stations, examination areas, patient rooms, restrooms, cafeterias, dispensaries, reception areas or literally any other interior horizontal or vertical surface – including wall cladding and wainscoting – can be enhanced and improved with Staron.

The designer and user choice

Staron is quickly becoming the preferred surface material for healthcare interiors due to its hygienic properties, incredible design flexibility, color selection and ability to be inconspicuously repaired. More importantly, Staron surfaces are easily maintained and do not have open joints or seams that can trap moisture or foster the growth of bacteria or spread of pathogens.



Soothing therapeutic solutions

In healthcare environments the health and well-being of patients is paramount, and patient surroundings play a vital role. Staron Solid Surface offers designers and facility managers all the choices they desire via colors, patterns, finishes and dimensional flexibility – to create patient care areas that are truly relaxing and nurturing spaces which help promote recovery and healing. Many Staron colors have been designed with input from color therapy specialists specifically for healthcare interiors, and can improve the mood of any room.





Preventing the spread of infection starts at the surface

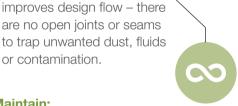
Staron acrylic solid surface is non-porous and not affected by moisture so it will not support the growth and spread of bacteria or mold. A seamless adhesive installation process eliminates gaps and crevices where pathogens could propagate - providing an extra level of hygiene. Cleaning and sanitizing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





Sustainable:

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





Versatile Design:

Dozens of color offerings are available from calming neutral to playful bold tones - ideal for healthcare interiors.



Easy to Maintain:

Staron is a homogeneous, color-through product, making it repairable and restorable to a new condition – often just by light sanding and polishing.

Seamless Installations:

are no open joints or seams

Seamless installation

or contamination.



The Wonders of

Staron Solid Surface



Resistant to Stains and Chemicals:

traffic environments.

Superior Quality:

Staron Solid Surface is far

more durable and longer-

lasting when compared to

plastic laminates – which

makes it perfect for high

Resists various chemicals. fluids and contaminates often found in healthcare environments.



inhibits the growth of bacteria or mildew and reduces the possibility of cross-contamination.



Easy to clean:

Cleaning and sanitizing is accomplished with nonabrasive wipe-on or sprayon 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 color-through.

Exceeding Commercial Healthcare Standards

Surface materials used in healthcare environments must meet stringent standards and requirements and be able to withstand the high demands of everyday use. At the same time, the interior architecture and décor must convey a feeling of comfort, peacefulness and well-being. Staron Solid Surface excels in both areas, is flame-resistant (ASTM E 84 Tested), Class A / Class 1 Fire Rating Certified and has a 10 Year Limited Commercial Warranty.

Technical Certificates











Healthcare Product Declaration

GREENGUARD Certified

CAN/ULC-S102 Certified Class I (A) Fire rated

LEED Certified

*SCS recycled content



NSF/ANSI Standard 51 Certified for food contact





9001



14001



sinks and lavatories certification

*Staron products with recycled content are identified with this label. Certified to help contribute towards U.S. Green Building Council LEED points





STARON® SOLID SURFACE APPLICATIONS



Wall Cladding & Wainscoting

Staron acrylic solid surface is an excellent allaround wall cladding and wainscoting material when it comes to design, traffic and maintenance considerations. A generous range of colors and patterns ensures the "right look" every time.

Diagnostic Laboratories

Diagnostic labs really put surface materials to the "test" on a daily basis. Countertops and other work surfaces must be stain, water, chemical and heat resistant – plus easy to clean. Staron Solid Surface excels in all categories.











Reception Areas

Reception areas are usually the first part of a healthcare facility that patients, their families and visitors see – so a positive first impression is vital. Staron Solid Surface offers the design flexibility and selection to create one-of-a-kind custom designs.



Examination Rooms

Examination rooms need to be soothing for patients, functional for medical professionals and simple to clean and sanitize. Staron's non-porous and seamless installation properties make it ultra-hygienic and the ideal choice for any casework surface.

Nurses' Stations

Nurses' stations are the nerve centers of healthcare facilities and must be user-friendly, ergonomic environments. Staron offers a clean and hygienic surface that can be customfabricated into unlimited configurations for ultimate efficiency and durability.



Clean Rooms

Staron has a number of potential applications in personal-care areas, including countertops, integral sinks, toilet partitions, shower walls, storage and shelves – or anywhere an ultra-hygienic virus/germ-resistant surface is required.













Patient Rooms

Patient rooms must be the perfect blend of form and function. Well-designed and soothing natural color schemes lift spirits, improve patient recovery times and enhance rehabilitation. Smooth, non-porous acrylic solid surfaces are proven to reduce the risk of complications related to the spread of infection.

Public Areas

Design considerations are always important, but in public areas the focus is equally on product durability, maintenance requirements and repairability. Staron Solid Surface is tough, easy to maintain, can be professionally restored to a new condition at any time, and has a longer more cost-effective life cycle compared to other surface materials.







Designer: Luke Pendergast Company: Conrad Gargett Photography: Christopher Frederick Jones

STARON® PROVIDES UNIVERSITY LABORATORY WITH STATE-OF-THE-ART SURFACES

Seamless, non-porous and hard-wearing, Staron Solid Surface proved to be an ideal fit in the design of a new, wet laboratory facility.

The Teaching Space Project delivered a high-tech PC2 undergraduate interactive wet laboratory facility. The space has been designed to fill identified key gaps in the school's upper-level undergraduate teaching program. The new teaching facility is located within the University of Queensland's Great Court Complex.

The project provides the ability to instruct students in modern biological techniques requiring a high level of containment, and the capacity to deliver small-group tutorial-based instruction within the context of computer-based learning. The aim was to provide high quality, state-of-the-art teaching spaces that are future oriented and have the facilities and flexibility to teach 21st century biology.

Within the laboratory Staron Solid Surfaces were used for the desks, including desk legs and foot rests, custom built sinks and wall linings in Staron color Aspen Glacier. These Staron surfaces were used not only for their visual appearance and design flexibility, but also because they are hard wearing, non-porous and seamless — making it an ideal product for physical containment laboratory design.





Safety Properties

Obtained certification that guarantees sanitary safety and reliability harmless to the human environment such as Japan SIAA and US NSF and FDA.







SIAA

Society of International sustaining growth for Ultra-Hygienic Articles

National Sanitation Foundation

US Food & Drug Administration

ASTM E 2180 (Bacteria Test)

- Exposed a testing piece to bacteria for 24 hours (provided nutrient) ▶ killed 99.9% of bacteria

		Blank	Note	
Staphylococcus aureus ATCC 6538	"O" h control	3.0x10 ⁶	Sample surface area : [3x3]cm	
	After 24 h	2.8x10 ⁶		
	Percent reduction of Bacteria	_	Inoculum volume :	
Klebsiella pneumoniae ATCC 4352	"O" h control	2.0x10 ⁶	0.5 mL Neutralizing broth: 0.2% POLYSORBATE 80	
	After 24 h	3.5x10 ⁷		
	Percent reduction of Bacteria	_	S.E.W. GETOONBATE OU	

ISO 846 [B'] (Antifungal test)

- Obtained with SGS EN ISO 846 B ' fungistatic effect grade 0

Test Method	Test Condition	Result	Organization
ISO 846 B'	Incubation at 30°C for 4 weeks	Strong fungistatic effect (0)	SGS

Intensity of growth	Evaluation of the behaviour of growth	
0	No growth apparent under the microscope	
1	No Growth visible to the naked eye, but clearly visible under the microscope	
2	Growth visible to the naked eye, covering up to 25% of the test surface	
3	Growth visible to the naked eye, covering up to 50% of the test surface	
4	Considerable growth, covering more than 50% of the surface	
5	Heavy growth, covering the entire test surface	

FDA 21 CFR 177 (Human safety Test)

- Complying with 21 CFR 177.1010 of U.S. FDA (Food and Drug Administration)

Test Results	Conclusion
a) Total Nonvolatile Extractives	PASS
b) Potassium Permanganate Oxidizable Extractives	PASS
c) Ultraviolet-absorbing Extractives	PASS

Extractants	Test Condition	Result (mg/inch²)	Reporting Limit (mg/inch²)	Permissible Limit (mg/inch²)
Distilled Water	120°F for 24 hours	0.16	PASS	PASS
8% Alcohol	120°F for 24 hours	0.15	PASS	PASS
N-Heptane	70°F for 30 minutes	0.06	PASS	PASS
Comment	_	PASS	_	_

