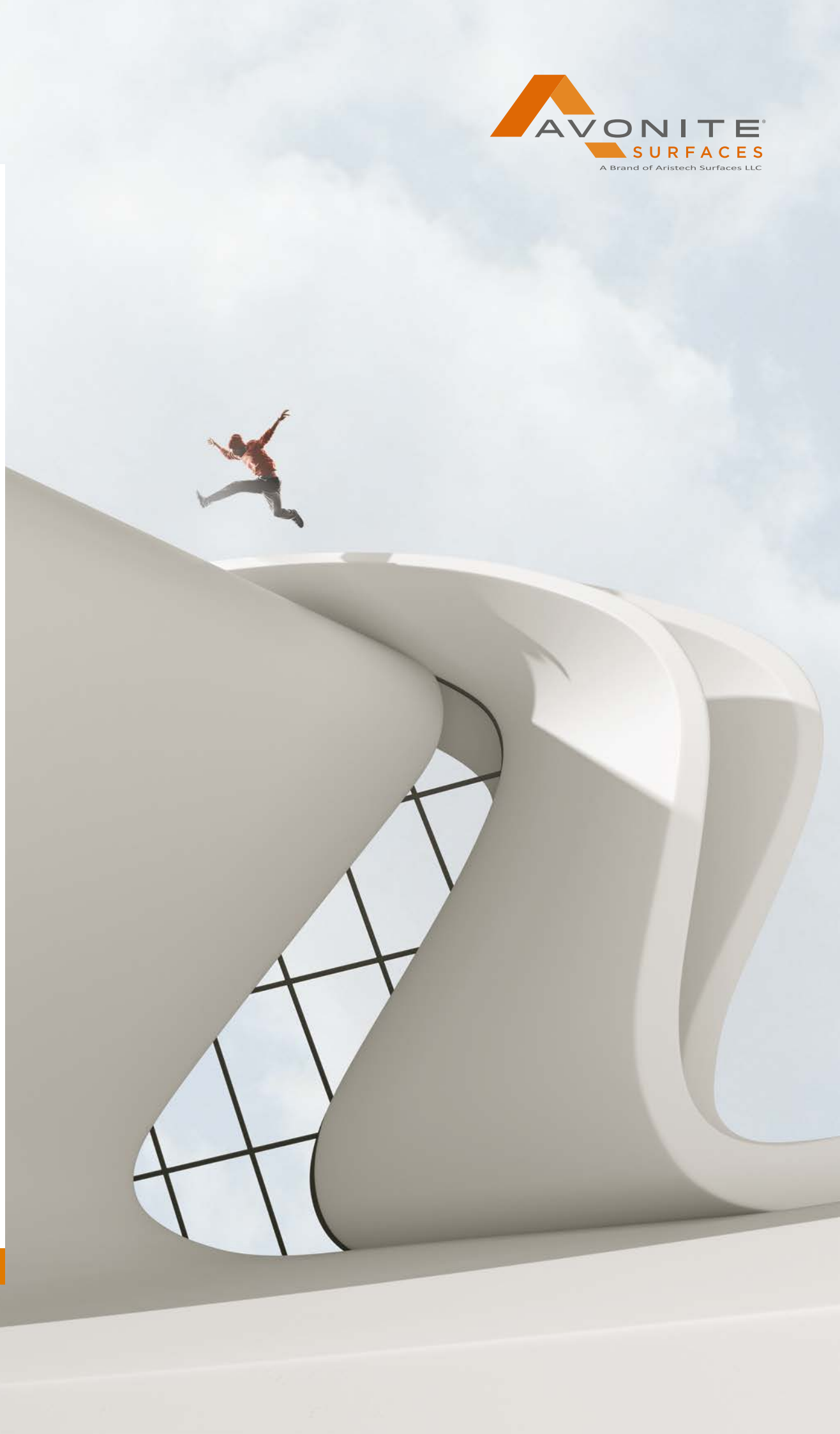


2 0 1 7  
EUROPE

## ACRYLIC SOLID SURFACE

WIDE MATERIAL  
FOR WIDE IDEAS



# AVONITE® – WIDE AND FLEXIBLE.

# THE SOLUTION TO ACCOMPLISH YOUR BOLDEST PROJECTS.

AVONITE® is a Solid Surface made of acrylic, mineral and pigments, developed by the American group Aristech Surfaces LLC. Equipped with the biggest single production capacity in the USA, Aristech Surfaces LLC relies on its experience and expertise to supply a reliable Solid Surface material.

## COLOURFUL

Complimented by a range of colours specially selected to serve the European market, AVONITE® offers tones and textures suited to the creation of harmonious spaces. Homogeneous throughout its thickness, the material allows for careful cutouts, as well as the sanding of its surface, capable of giving it a lustrous sheen at all times.



## THERMOFORMABLE

AVONITE® sheets become supple and malleable when exposed to the heat of special ovens. One thing is certain: with its organic shapes and rounded corners, the material's gentle curves provide comfort and warmth to any interior design.



## TRANSLUCENT

Whether through the even and glossy translucence of Ice White or the creation of motifs trimmed in lighter colours, AVONITE® offers beautiful ways to treat light.



## MONOLITHIC

AVONITE® adhesives are colour matched exactly to ensure seamless joints. Now you can create monolithic installations and counters stretching as far as the eye can see!



# ULTIMATE FLEXIBILITY

## THIS IS THE AVONITE® ADVANTAGE

You can request personalised sizing. With the custom-size\* programme, Aristech Surfaces® can manufacture AVONITE® sheets:

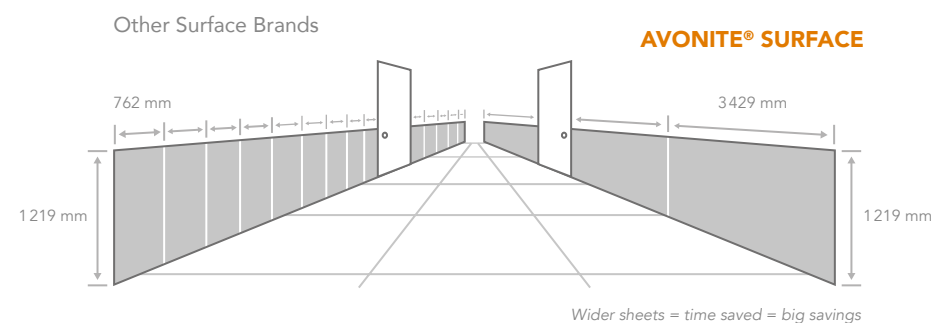
- In whatever thickness between 3 mm and 19 mm.
- In whatever width between 686 mm and 1524 mm.
- In whatever length between 2134 mm and 5182 mm.
- Using the same formula as our standard formats.
- In any colour in our range.  
(With the exception of 8064 - Ice White)

\*6 weeks of production. Extra costs per m<sup>2</sup> and minimum order quantity may apply. Weight limit: 170 kg per sheet.

### USING THE RIGHT FORMAT OF SHEETS IS THE RIGHT CHOICE FOR CONSUMING LESS.

The use of large sheets reduces the number of joints required. Fewer joints mean less adhesive, less work and therefore less cost to the end user.

The choice of an optimal format reduces scrap. Less scrap means taking a step to help the environment.



AVONITE® Orange Zest.

AVONITE® Alpine Shimmer.

686 x 2134 mm  
SHEETS' MINIMUM DIMENSIONS

1524 x 5182 mm  
SHEETS' MAXIMUM DIMENSIONS

3 mm  
6 mm  
9 mm  
12 mm  
19 mm

## RIGHT SIZE™ PROGRAMME

AVONITE®'s Right Size™ Programme refers to our 18 standard format sheets... with NO surcharges per m<sup>2</sup>.

With perfectly reasonable minimum order sizes, the Right Size™ Programme lets you acquire sheets of all sizes (up to 1524 mm wide and 3658 mm long!):

- In thicknesses of 6 or 12 mm.
- With NO surcharges per m<sup>2</sup>.

### DO YOU HAVE A SMALL PROJECT THAT DOES NOT MEET THE ORDER MINIMUM?

We have not forgotten you. A large selection of Right Size™ formats is available in our European stock, in our most popular colour: white.



## OUR COMMITMENT TO ECOLOGY

Our research and development centre in the United States focuses its strategy on research into innovative, environmentally friendly solutions. As a result, AVONITE® was the first Solid Surface to introduce recycled material back in 1996 and the first to receive the SCS certificate.

The Right Size™ Programme is another key component of our approach to sustainable design. The possibility of choosing the best format for your projects optimises the material consumption to suit your needs.

Lastly, all our adhesives are below the thresholds for emissions of volatile organic compounds and are GREENGUARD® certified. AVONITE® has even earned a score of A+ for the material's adherence to French regulations governing the emission of volatile organic compounds and CMR substances.

Certified leader:







The exterior facade of this luxurious villa in Ibiza was created with AVONITE®, as well as the windows' and doors' frames, the swimming pool outline, the columns of the terrace and the surface of the outer wall.

Private Villa Can Furnet.  
Ibiza, Spain.

**AVONITE® Snowfall.**



## EXTERIOR

### A NETWORK OF EXPERTS

We have a network of Solid Surface experts experienced in building facades, using our ETA certified AVONITE®, which you can aspire to use in the most ambitious projects.

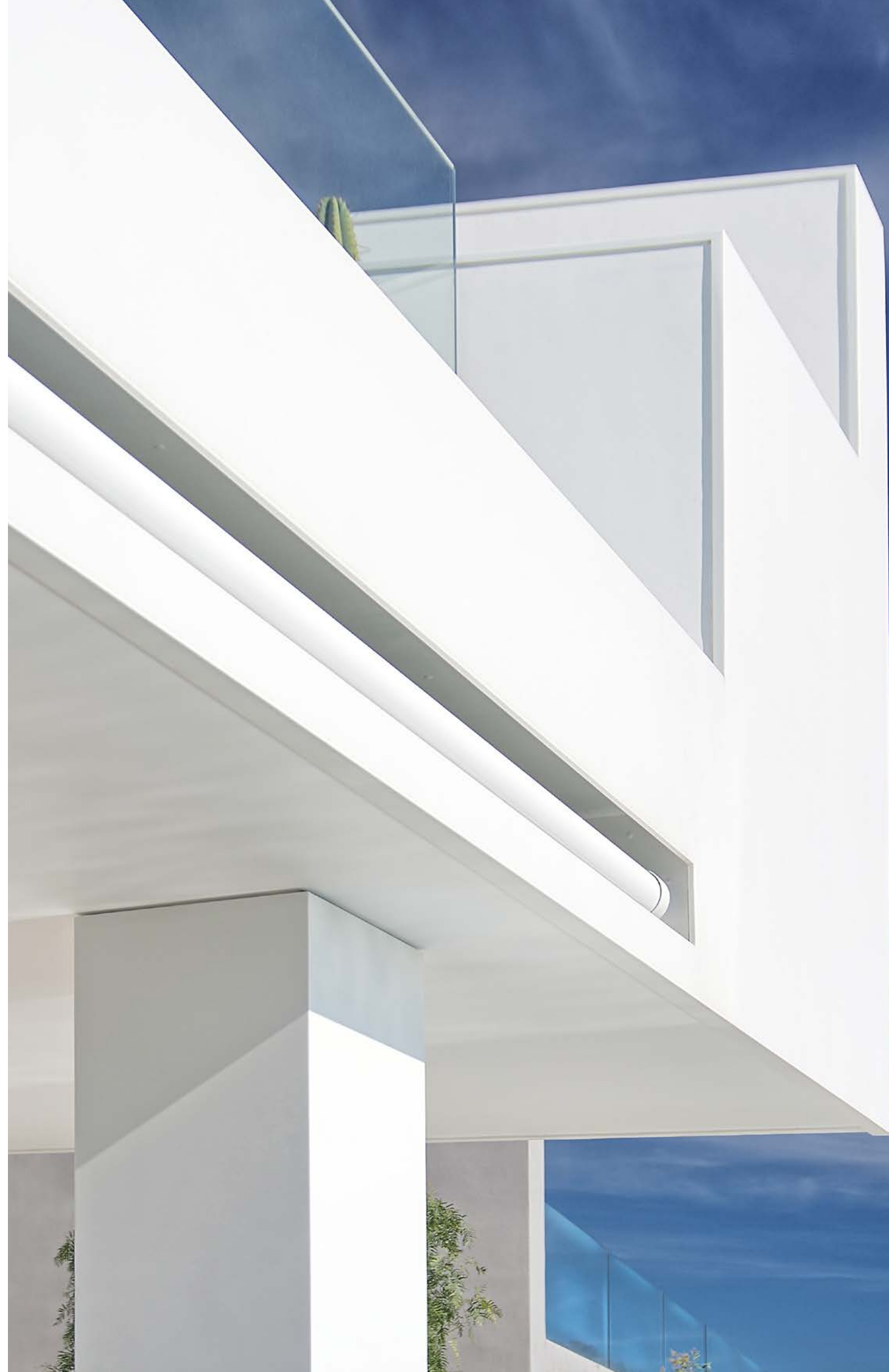
The Right Size™ Programme also offers a competitive product portfolio that is perfectly suited to the creation of exterior façades.

For outdoor use, AVONITE® recommends 8 colours (see p.12), for which we predict a UV resistance under  $\Delta E$  5 and gloss loss of less than 40%.

Designer: Laurence Sonck.

Fabricator: M2 IBIZA CONSTRUCT SL.

Photo: Arsen Mikitov.





In the offices of the German company Schlüter Systems, translucent motives were milled in the material to create a stunning light effect. AVONITE® was also used as a surface for the cloakroom furniture.

Schlüter Systems KG.  
Iserlohn, Germany.  
**AVONITE® Polaris.**



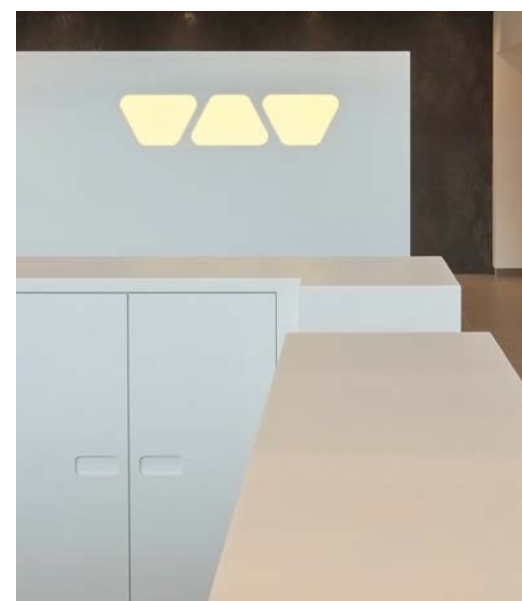
## COMMERCIAL

### **AVONITE® is absolutely versatile.**

It can be found on both the benches and walls of ultra-clean labs and the overworked reception desks at hotels.

### **But that's not all.**

AVONITE® is also used to produce flawless furniture for shops and museums.



**Polaris 8256.**

### **HYGIENIC**

The material's non-porous properties and the seamless assembly of furniture made of AVONITE® makes it extremely easy to clean. Its thermo-forming capacity also allows for the creation of rounded backsplashes on lab benches, kitchen counters and restaurant furniture, which eliminates those hard to reach places.



### **DURABLE**

AVONITE® is resistant to common household products and is easy to repair, thanks to the after sale servicing by one of our local partners. With its 10 year warranty on 12 and 6 mm thicknesses and 1 year warranty on the 3 mm thickness, AVONITE® will not fail you after your project is complete.





Design/fabricator/photo: Carpintek.  
Snowfall 8090.

## RESIDENTIAL

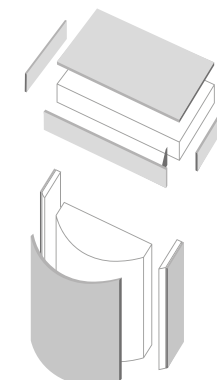
Used for kitchen islands, vanity tops and shower bases in bathrooms, or modern furnishings, AVONITE® fits harmoniously into private residences.



**ADVANC3®**  
**ARE YOU LOOKING FOR AN ALTERNATIVE  
TO LAMINATE AS A FURNITURE COVERING?**

**AVONITE® IS A GREAT SOLUTION!**

With its sheets just 3 mm thick, AVONITE® Advanc3® offers all the properties and aesthetics of a Solid Surface at unbeatable prices. Advanc3® can only be used on installations with no heat source at proximity.





# OUR COLOUR SELECTION

Whether the simple elegance of Putty, the depth of Black Coral, the inimitable texture of Sandstorm, the purity of Ice White or the vitality of the new Fuego, AVONITE® offers a colour range balanced between the latest trends and timeless classics.

Depending on the climate, the orientation and the application, AVONITE® recommends 8 colours for outdoor use (highlighted with a Δ hereunder). We predict a UV resistance under ΔE 5 and a gloss loss of less than 40%.

## HAVE A PROJECT IN PROGRESS?

Request the free colour samples of your choice on AVONITE.com or ask for a visit from an AVONITE® expert.

# FOR A 100% AVONITE® LOOK

Our national distributors offer a wide variety of vanities and sinks made of injected or thermoformed Solid Surface. AVONITE® colour-matched sinks and vanities mean disappearing joints and single block counters for enhanced hygiene and aesthetics.

The sink and vanity colours are developed with meticulous care to perfectly match a choice of AVONITE® sheet color.

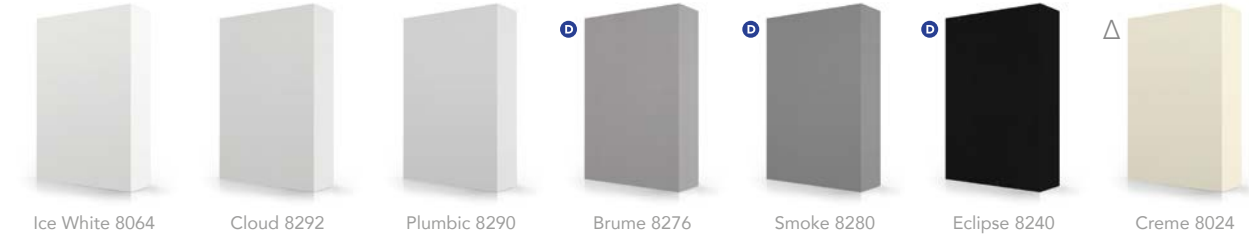


Photo: Solits.

### FUNDAMENTALS



### PRICE GROUP A



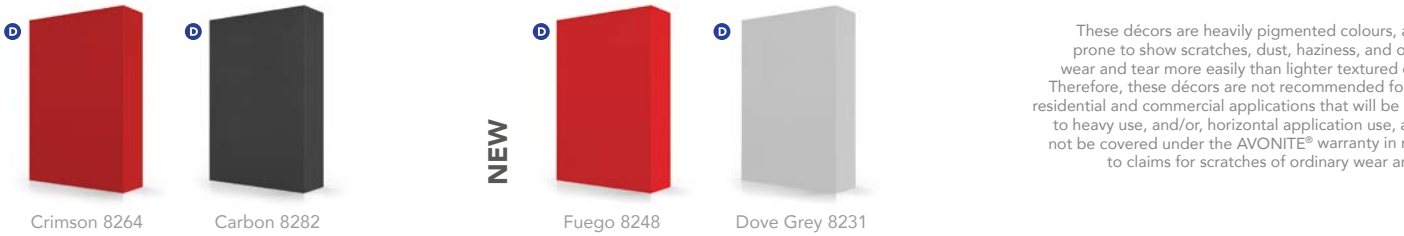
### PRICE GROUP B



### PRICE GROUP C



Our buzzword is flexibility. In just two weeks, we will send you a sample, information on the minimum order quantity and a quote for your personalised custom colour. Working with us is as simple as that.



These décors are heavily pigmented colours, and are prone to show scratches, dust, haziness, and ordinary wear and tear more easily than lighter textured décors. Therefore, these décors are not recommended for use in residential and commercial applications that will be subject to heavy use, and/or, horizontal application use, and will not be covered under the AVONITE® warranty in relation to claims for scratches of ordinary wear and tear.



### PRICE GROUP D



The tones shown on this page may differ slightly from the actual colours. To be safe, make your choice based on samples.

Contains Recycled Content  
Colours marked with this acronym include recycled material and may therefore qualify for additional credits as part of the building's LEED accreditation.

And that’s not all...

AVONITE®’s Right Size™ Programme offers 18 sheet formats in ALL our colours\*, subject to a minimum order quantity and a production lead time of six weeks.

To receive a list of our formats and our terms of sale, or for any additional information, please contact us on [WWW.AVONITE.COM](http://www.avonite.com)

## SHEET DIMENSIONS

AVONITE®’s flexibility is based on the eight sheet formats that we keep in stock at our European depot.

Thickness (mm)	Dimensions (mm)	Available Colours
3	I. 762 x L 3 658	8091 - Snowfall
	I. 1 372 x L. 3 048	8091 - Snowfall
6	I. 762 x L. 3 658	8090 - Snowfall
	I. 1 372 x L. 3 048	8090 - Snowfall
12	I. 762 x L. 3 658	All colours
	I. 1 372 x L. 3 658	8064 - Ice White
	I. 1 372 x L. 3 048	8090 - Snowfall
	I. 1 520 x L. 3 048	8090 - Snowfall

## TECHNICAL DATA & PERFORMANCE PROPERTIES

NEMA LD 3 2000 Staining Reagent	Cleanability Rating	Stain Rating
Distilled Water	0	■
Tap Water	0	■
Ethyl Alcohol, 50% Solution	0	■
Isopropyl Alcohol, 70% Solution	0	■
VM&P Naphtha/Ethyl Alcohol, 50/50 Solution	0	■
Nail Polish Remover	0	■
Acetone	0	■
Bar Soap Solution, 5% In Water	0	■
Household Detergent, 5% In Water	0	■
Household Ammonia	0	■
Tomato Catsup	0	■
Vegetable Oil	0	■
Trisodium Phosphate, 1% Solution	0	■
Coffee	0	■
Tea	0	■
Whole Milk	0	■
Citric Acid, 10% Solution	0	■
Yellow Mustard	0	■
10% Povidone Iodine	3	■
Distilled Vinegar	0	■
Lipstick (Red)	1	■
Washable Ink (Blue)	1	■
Grape Juice	0	■
Red Food Dye	1	■
Beet Juice	0	■
Merthiolate	1	■
Wax Crayon	1	■
Shoe Polish (Black Paste)	3	■
Ball Pen Ink	3	■
Felt Pen Ink	3	■
Black Permanent Marker	3	■
#2 Pencil	3	■
Supermarket Stamp Ink (Purple)	1	■

0 Rating – Staining reagent removed with a cellulose sponge moistened with water.  
1 Rating - Staining reagent removed with a cellulose sponge moistened with water and commercial cleanser.  
2 Rating – Staining reagent removed with a stiff nylon bristle brush with a commercial cleanser and baking soda.  
3 Rating - Staining reagent removed with a cotton ball saturated with acetone.

■ = No effect

\*With the exception of 8064 - Ice White.



Properties	Typical Results	Test Method
GENERAL		
Thickness Tested	12 mm	–
Specific Gravity	1.6 – 1.73	ASTM D-792
Density	1.6 – 1.73 g/cc	ASTM D-792
Water Absorption (24hrs)	0.04%	ASTM D-570

MECHANICAL		
Tensile Strength	28 MPa	ASTM D-638
Tensile Modulus	7 580 MPa	ASTM D-638
Tensile Elongation	2.10%	ASTM D-638
Flexural Strength	55 MPa	ASTM D-790
Flexural Modulus	7 580 MPa	ASTM D-790
Barcol Hardness	60	ASTM D-2583
Rockwell Hardness	86	ASTM D-785
Charpy Impact Strength	4.6 kJ/m²	ASTM D-4812
Ball Impact (227 g. ball)	> 380 cm	NEMA LD3-3.8
Total Volatile Organic Compound	6.91 µg/m² /hr	ASTM-D5116

THERMAL		
DTUL @ 1.82 MPa	93°C	ASTM D-648
Coefficient of Thermal Expansion	4.1 x 10 <sup>-5</sup> cm /cm / °C	ASTM D-696
Boiling Water Resistance	No effect	ISSFA SST 8.1-00
High Temperature Resistance	No effect	ISSFA SST 9.1-00
Flame Spread	<25	ASTM E 84
Smoke Generation	<25	ASTM E 84
Combustion Toxicity	96 (Solid colours) 67 (patterns)	Pittsburg Protocole (LC <sub>50</sub> Test)
Flame Spread	20	MEA 64-96-M
Smoke Density	155	MEA-142-96-M

SURFACE		
Cleanability / Stain Resistance	Pass	NEMA LD3-3.4
Stain Resistance	Pass	ANSI Z 124.3
Consistency of colour (same sheet)	Pass	ISSFA SST 2.1-00
Light Resistance	No effect	ISSFA SST 7.1-00
Food Zone Use	NSF 51 Approved	NSF
Fungal / Bacterial Resistance	Does not support microbial growth	ASTM G-21
HIV-Resistance	Disinfected surface does not support HIV	Protocol 61-074-1
Aircraft: FAA Part 23 or 25	Acceptable	FAR 25.853
Federal Motor Vehicule Safety Stnd.	Pass	
Canadian Motor Vehicule Stnd.	Pass	

Need any samples?... Right this way: [www.avonite.com](http://www.avonite.com)

Designers for the new university hospital in Lausanne, Switzerland chose AVONITE® for the surface of the benches in the public spaces.  
**AVONITE® Ivory.**

Designer: Belandscape Switzerland.  
Fabricator: Rosskopf+ Partner AG.  
Photo: Laurent Essig / David Lorient.



Certified leader:



Resist bacteria, naturally:



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Find your closest distributor on  
**[www.avonite.com](http://www.avonite.com)**

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[www.belandscape.ch](http://www.belandscape.ch)



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