

STUDIO

COLLECTION®

A BRAND OF ARISTECH SURFACES LLC

transparently
handcrafted for you

2020
NORTH AMERICA

ENGLISH



FIFTY YEARS



AT ARISTECH
SURFACES, WE MAKE
THE STUDIO Collection®
PRODUCTS AT OUR
ARTISAN WORKSHOP IN
BELEN, NEW MEXICO - USA.
OUR STUDIO Collection®
MATERIAL IS A COMPOSITE
THERMOSET RESIN THAT
COMBINES ACRYLIC WITH
A PREMIUM POLYESTER
RESIN. OUR GOAL IS TO
MELD THE ADVANTAGES
OF THESE TWO
TYPES OF POLYMERS:
TRANSLUCENCY AND
SOLIDITY.



patterns

**THE FOCUS OF THE
STUDIO Collection® IS
ON DESIGN.**

Thanks to the veined or terrazzo looks, movement and textures that we create in the material, the STUDIO Collection® produces astonishing visual effects, both on the surface and deep down inside.

translucency

Unlike acrylic solid surface, with which it is often compared, the basis of the STUDIO Collection® was built on translucency, adding a dimension all its own.

What's our secret? An evolved version of premium quality unsaturated polyester. Our work begins with converting and coloring the polyester, and then blending it with acrylic.

**THIS PROCESS IS
WHAT ALLOWS US TO
PRODUCE MATERIAL
OF INCOMPARABLE
CLARITY.**



handcrafted production

We produce the STUDIO Collection® in our workshop, making it an unparalleled material. From the incorporation of petals or stone particles into the resin, to the veining that runs through it, we design all our one-of-a-kind patterns by hand.

EACH PIECE IS UNIQUE.

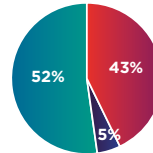


our STUDIO Collection® resin ranges

Our designer STUDIO Collection® resin is available in three ranges:

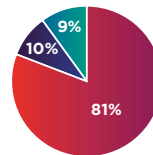
Class I is very similar to acrylic solid surface but enriched with luminous polyester to boost its translucency and enable the visibility of ample particles throughout.

CLASS I



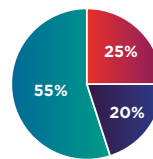
Class III is both highly translucent and matte in appearance. Its thickness creates a visual depth and unique three dimensional movement throughout.

CLASS III



Lastly, our **range of recycled colors** are similar in appearance and performance to Class I, except that it is made of 50 to 60% recycled acrylic solid surface. As a result, these colors in a building can help it to obtain LEED credits.

RECYCLED RANGE



- Polyester / Styrene
- Acrylic
- Alumina Trihydrate



HOW TO CHOOSE THE RIGHT RANGE

YOU ARE LOOKING FOR :	TRANSLUCENCY	THICK PARTICLES	THERMO- FORMING	FIRE RESISTANCE	MECHANICAL RESISTANCE	A MATERIAL THAT HIDES SCRATCHES
CLASS I	++	+++	+	++	++	-
			Min. radius: 14 in.	ASTM E84 Class A or B	Barcol 12 mm / 6 mm: 53 / 57 Bead impact 12 mm / 6 mm: 96 in. / 36 in. Tensile resistance 12 mm / 6 mm: 3300 / 5089 psi	
CLASS III	+++	+++	++	-	+	+
			Min. radius: 8 in.	ASTM E84 Class C	Barcol 12 mm / 6 mm: 48 Bead impact 12 mm / 6 mm: 54 in. / 30 in. Tensile resistance 12 mm / 6 mm: 2300 / 5486 psi	
RECYCLED RANGE	++	+++	++	++	++	-
			Min. radius: 8 in.	ASTM E84 Class A or B	Barcol 12 mm / 6 mm: 53 / 57 Bead impact 12 mm / 6 mm: 96 in. / 36 in. Tensile resistance 12 mm / 6 mm: 3300 / 5089 psi	
ACRYLIC SOLID SURFACE	+	-	+++	++	+++	-
			Min. radius: 6 in.	ASTM E84 Class A or B	Barcol 12 mm / 6 mm: 58 / 63 Bead impact 12 mm / 6 mm: 84 - >150 in. / 42 - 84 in. Tensile resistance 12 mm / 6 mm: 3650 - 4500 psi	



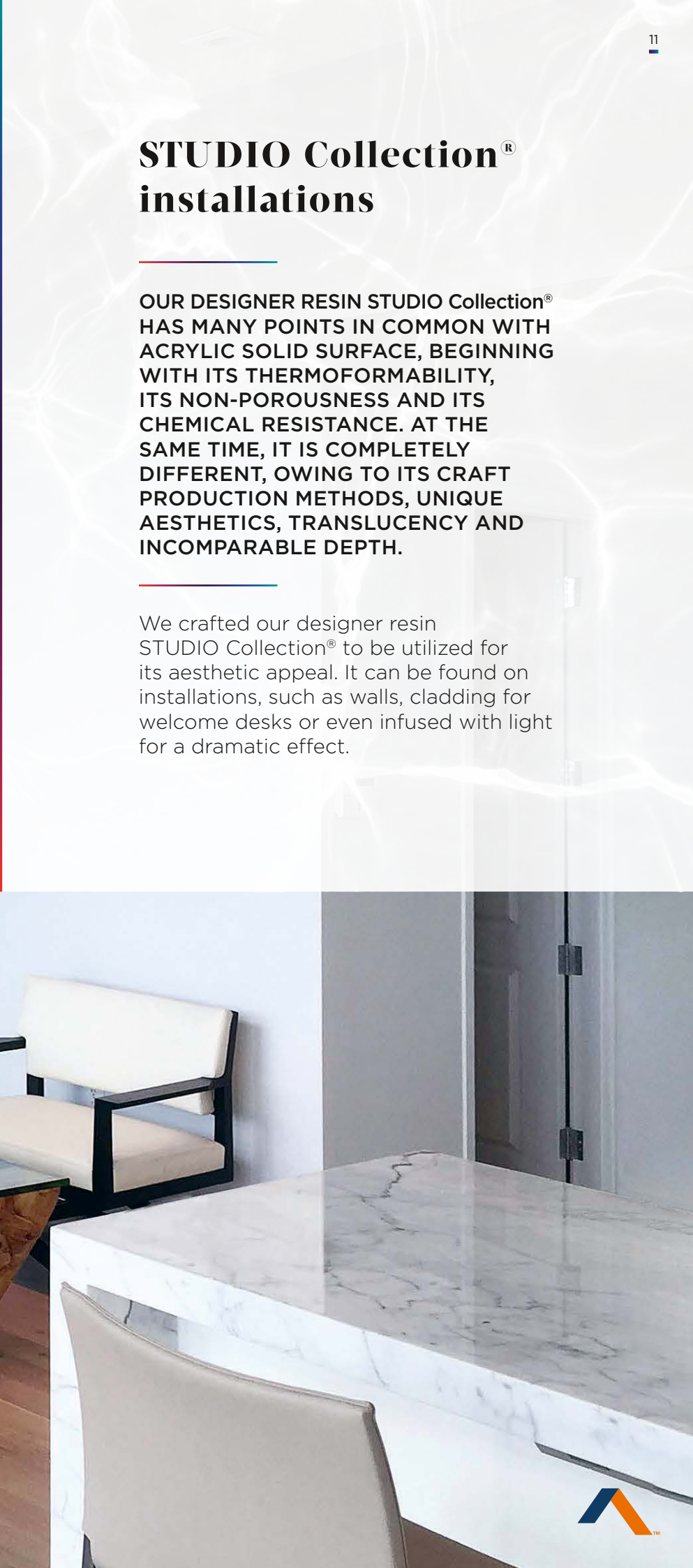
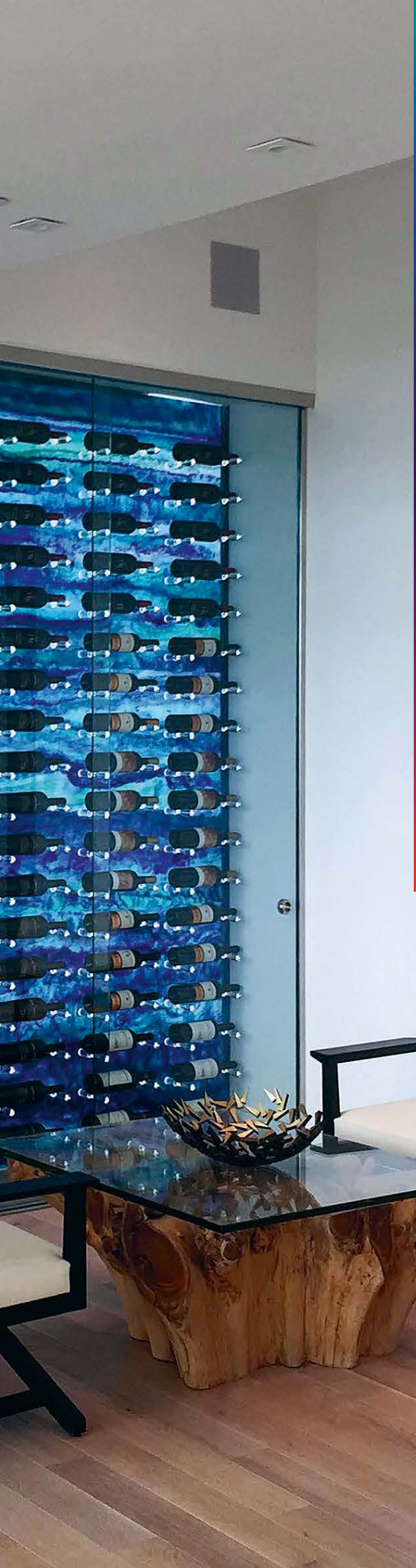
**TIPS**

Like any translucent material, the seams must be handled with care to minimize their visibility.

STUDIO Collection® installations

OUR DESIGNER RESIN STUDIO Collection® HAS MANY POINTS IN COMMON WITH ACRYLIC SOLID SURFACE, BEGINNING WITH ITS THERMOFORMABILITY, ITS NON-POROUSNESS AND ITS CHEMICAL RESISTANCE. AT THE SAME TIME, IT IS COMPLETELY DIFFERENT, OWING TO ITS CRAFT PRODUCTION METHODS, UNIQUE AESTHETICS, TRANSLUCENCY AND INCOMPARABLE DEPTH.

We crafted our designer resin STUDIO Collection® to be utilized for its aesthetic appeal. It can be found on installations, such as walls, cladding for welcome desks or even infused with light for a dramatic effect.



durability

The STUDIO Collection® is resistant to common household products and is easy to repair, thanks to servicing provided by one of our local partners.



**WITH OUR 15-YEAR
WARRANTY, WE WILL
NOT LET YOU DOWN
AFTER YOUR PROJECT
IS COMPLETED.**



our environmental commitment

THE STUDIO Collection® OFFERS THREE COLORS WITH 50 TO 60% PRE-CONSUMER RECYCLED CONTENT.

Because our materials comply with the strictest standards for internal air quality, the STUDIO Collection® has also been honored with the Advantage Gold certificate from SCS Global Services.

And that's not all! At Aristech Surfaces LLC, we unrelentingly fight to improve our environmental and energy efficiency, as

well as air quality, and to reduce the waste sent to landfills, by using performance indicators which we measure and analyze.

Our recent and future environmental initiatives include converting the lighting at our plants and offices to LED, recycling our industrial and office waste, improving the motorization of our machinery, filtering our industrial water, and installing recycling systems and thermal oxidation units which provide for heat recovery in order to reduce VOC emissions.



our colors

The STUDIO Collection® also represents a series of 29 colors divided between eight ranges of textures and two price groups.

PRICE GROUP A

CRYSTELLES CLASS III



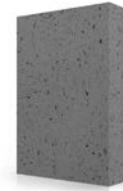
Twinkle 1060



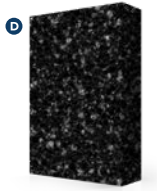
Cozumel 8575



Luna 8586



Cement 8425

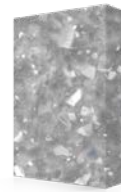


Black Ice 7100

METALLIC CLASS III



Pearl 8343



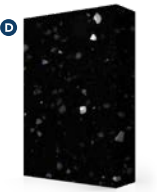
Silver Pearl 8345



Silver Comet 8585



Charcoal Pearl 8344



Night Pearl 8580

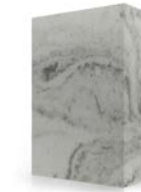
VENATO CLASS I



Bellis 6730



Bellissimo 6720



Calacatta Stone 1800



Harbor Fog 8800

SEA GLASS CLASS III

CHROMATIX™

ELEMENT CLASS III



Tempest 8710



Transcendent 8760



Ebony Twist 8770



Ocean Breeze 8700



Honey Onyx 8750

PRICE GROUP B

PETALS CLASS III



8608 Cirrus II



8600 Sirocco



8606 Irish Bell



8601 Neptune



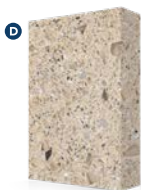
8609 Whimsy

CHROMATIX™

From the metallic look of Copper Canyon to the terrazzo effect of Kaleidoscope, by way of the fluid movement of Honey Onyx and the mineral appearance of Calacatta Stone, the STUDIO Collection® offers a virtually unlimited variety of effects.



Midnight Sky 1050



Terra 8587



Nougat 8500



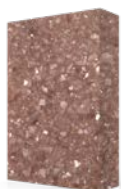
Goldmine 8495



Celestial Pearl 8346



Cat Eye 8330



Tusk 8340



New Caldron 8320



Copper Canyon 8570



Pure Aqua 8840



Grenadine 8810

RECYCLED



Cottonwood 6600



White Sands 6636



Kaleidoscope 8200

GLASS CLASS III



Frosted Glass 8480
CHROMATIX™



Antique Glass 8455



Sky Glass 8465



Cobalt Glass 8485



Amber Glass 8560

Our STUDIO Collection® sheets are available in the following nominal dimensions:
6 mm x 36 in. x 120 in.*
12 mm x 36 in. x 120 in.

The tones shown on this double-page spread may differ slightly from the actual colors. To be safe, please make your choice based on samples.

D This highly pigmented palette of colors are more likely to show signs of wear and tear, and scratches versus lighter colors with less pigment loading. We would recommend lighter hues and patterns, in high use and heavy traffic applications.

♻️ Recycled Content
 This acronym indicates colors which fall into the category of materials containing at least 40% recycled material and which can therefore help to obtain credits as part of a building's LEED certification.

* Standard 6mm colors.





CHROMATIX™

how does it work?

Thanks to our handcrafted manufacturing method, we can produce series of STUDIO Collection® sheets in very small quantities*, in the color of your choice and with no price increase over our standard panels.

- 1 SELECT YOUR PATTERN.**
Select a pattern from the Petals, Whimsy, Sea Glass or Glass ranges.
- 2 CHOOSE YOUR COLOR.**
Choose a Pantone® color code.
- 3 REQUEST FREE SAMPLES.**
Receive up to two free repeat samples to help you make your choice.

*Minimum order quantity: six sheets. This program is available for patterns in the Glass, Sea Glass, Whimsy and Petals ranges. Shipping charges will apply. Plan for four to six weeks for production.



physical properties

PROPERTY	TEST METHOD	UNITS	SHEETS 6 mm	
			CLASS III	CLASS I / RECYCLED
GENERAL				
Nominal Thickness		mm	6	6
Density	ASTM D-792	g/cm ³	1.26	1.59
Water Absorption (24hrs)	ASTM D-570	%	0.08	0.04
MECHANICAL				
Tensile Strength	ASTM D-638	psi	5,476	5,089
Tensile Modulus	ASTM D-638	psi	634,000	1,279,000
Tensile Elongation	ASTM D-638	%	0.90	0.44
Flexural Strength	ASTM D-790	psi	7,100	7,500
Flexural Modulus	ASTM D-790	psi	571,100	1,122,100
Barcol Hardness	ASTM D-2583	-	48	57
Rockwell Hardness (m scale)	ASTM D-785	-	107	101
Charpy Impact	ASTM D-6110	ft-lbs/inch	0.78	0.55
Ball Impact (½ lb. ball, no failure) Supported	NEMA LD3-3.8	Inches	30	36
Ball Impact (½ lb. ball, no failure) Un-supported	NEMA LD3-3.8	Inches	-	244
THERMAL				
DTUL @ 1.82 MPa	ASTM D-648	°C	155	162
Coefficient of Thermal Expansion	ASTM D-696	in/in/°C	2.9x10 ⁻⁵	2.1x10 ⁻⁵
Boiling Water Resistance	ISSFA 2-01	-	No Effect	No Effect
High Temperature Resistance	ISSFA 2-01	-	No Effect	No Effect
Flame Spread index	ASTM E 84	-	90	5
Smoke Generation index	ASTM E 84	-	>450*	300*
Combustion Toxicity	Pittsburg Protocole	-	19.3	62.3
Total Volatile Organic Compound	ASTM D-5116	µg/m ² /hr	13.9	3.9
SURFACE				
Consistency of color (same sheet)	ISSFA 2-01	-	Passes	Passes
Light Resistance	ISSFA 2-01	-	No Effect	No Effect
Cleanability / Stain Resistance	NEMA LD3-3.4	-	Passes	Passes
Stain Resistance	ANZI/ICPA SS-1	-	Passes	Passes
Bacterial Resistance	ASTM G-22	-	No growth	No growth
Fungi Resistance	ASTM G-21	-	No growth	No growth
Food Zone Use	NSF - 51	-	Approved	Approved

*Accepted as having interior finish usage, Class C, per New York City Admin Code 27-131; MEA 142-M

SHEETS 12mm

CLASS III	CLASS I / RECYCLED
12	12
1.30	1.60
0.04	0.05
2,300	3,300
660,000	1,039,000
0.34	0.65
4,100	5,570
655,000	976,000
48	53
104	98
0.50	0.70
>150	>150
54	96
161	170
2.9x10 ⁻⁵	2.1x10 ⁻⁵
No Effect	No Effect
No Effect	No Effect
180	20
>450*	155*
19.3	62.3
13.9	3.9
Passes	Passes
No Effect	No Effect
Passes	Passes
Passes	Passes
No growth	No growth
No growth	No growth
Approved	Approved



**NEW COLORS, TRENDS AND EVENTS...
JOIN OUR ONLINE COMMUNITY AND
DISCOVER NEW AND INSPIRING
IDEAS EACH WEEK.**



**Global Headquarters
ARISTECH SURFACES LLC**

7350 Empire Drive
Florence KY 41042
USA
T +1 800-354-9858
info.europe@aristechsurfaces.com

Find your closest distributor on

WWW.ARISTECHSURFACES.COM



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