



EDUCA
DESIGN | GROUP

Solid
Surface

SOLID SURFACE SOLUTIONS



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ACRYLIC A PREMIUM SOLID SURFACE MATERIAL

DURABILITY, COLOUR VARIETY,
DESIGN WITHOUT LIMITS

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

With its many advantages and versatile application possibilities, Solid surface 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

- 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



HEALTH CARE



HEALTH CARE



MAKING EVERYDAY EXTRAORDINARY IS THE AMBITION OF SOLID SURFACE ACRYLIC DESIGN

Combining stunning appearance with outstanding practical qualities, acrylic Solid Surfaces are truly revolutionary surface materials. Educa offers an impressive range of solid, metallic and natural stone-effect surface designs suited to any interior scheme.

They provide a smooth, grout-free surface, and their solidity ensures that both color and detail run right through the thickness of the material.

Perfect for creating healthy environments, Solid Surface is easy to clean but can stand up to powerful cleaning agents in both residential and commercial applications.

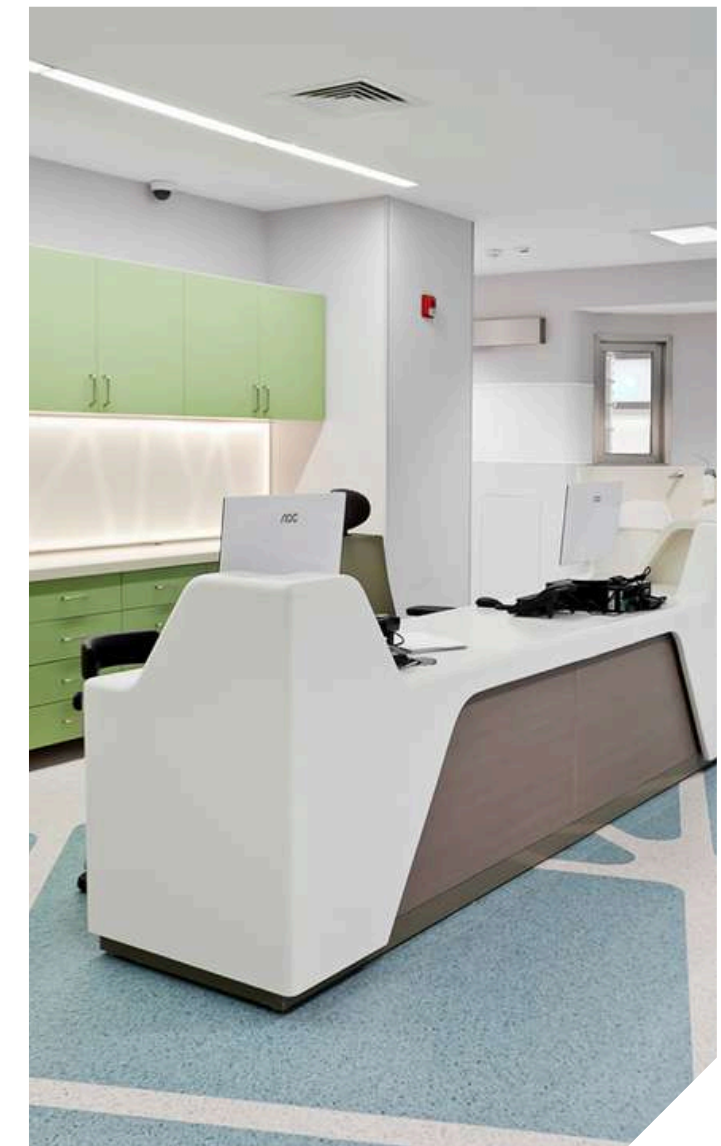
In addition, its non-porous nature makes it inherently hygienic. Also, with Solid Surface, you have the unique ability to create seamless masterpieces, meaning dirt and bacteria have nowhere to hide.

And should anything ever happen to the surface, no worries, Solid Surface is repairable, indefinitely extending the life of the material.



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HEALTH CARE



Liv Hospital
Istanbul TR

Design by Zoom Interior Design & Architecture
Colour: Bright White

While chosen for its stain, chemical and heat-resistant qualities, the seamless and non-porous design of Acrylic 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.

- | | | | |
|--|----------------------------------|--|--|
| | 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 |

Solid surfaces were used for everything from desks and foot rests, to wall linings and provided the design flexibility and clinically sharp aesthetic required.



HEALTH CARE

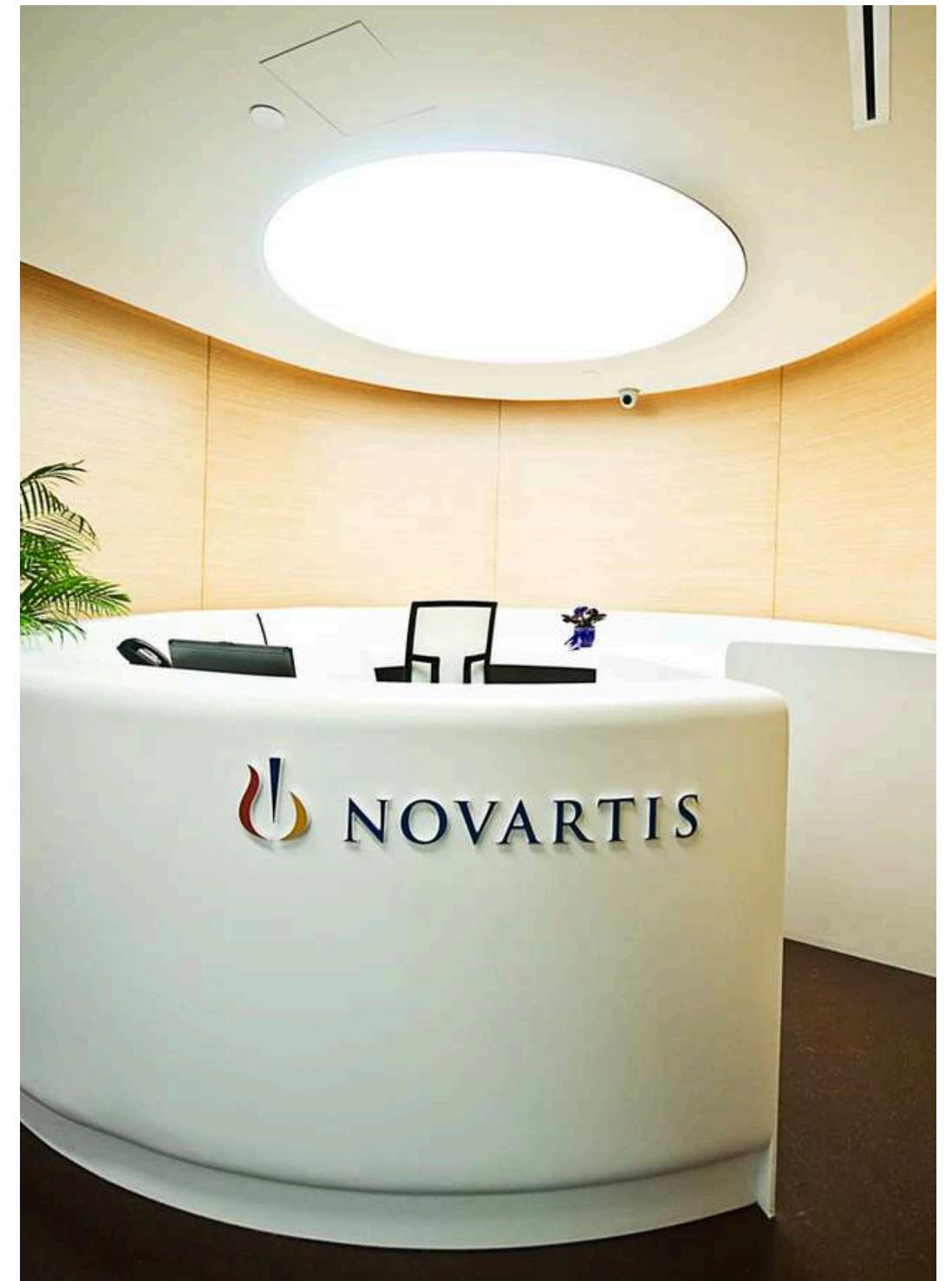


Novartis Headquarter

Istanbul TR

Design: ZOOM Architects

Colour: Pure White



Rather fittingly, very few environments are more testing on work surfaces than a laboratory. So when designing a new teaching facility within the MP Hospital, a hardwearing and versatile material was required that could withstand the rigours of daily experiments. The solution, was Acrylic.



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HEALTH CARE



Medical Park

Istanbul TR

Design: ZOOM Architects

Colour: Pure White

Rather fittingly, very few environments are more testing on work surfaces than a laboratory. So when designing a new teaching facility within the MP Hospital, a hardwearing and versatile material was required that could withstand the rigours of daily experiments. The solution, was Acrylic.

HOTELS



HOTELS



Cafe specialty

Istanbul TR

Colour: Quarry Oyster

Luxury Bar Lounge

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



HOTELS

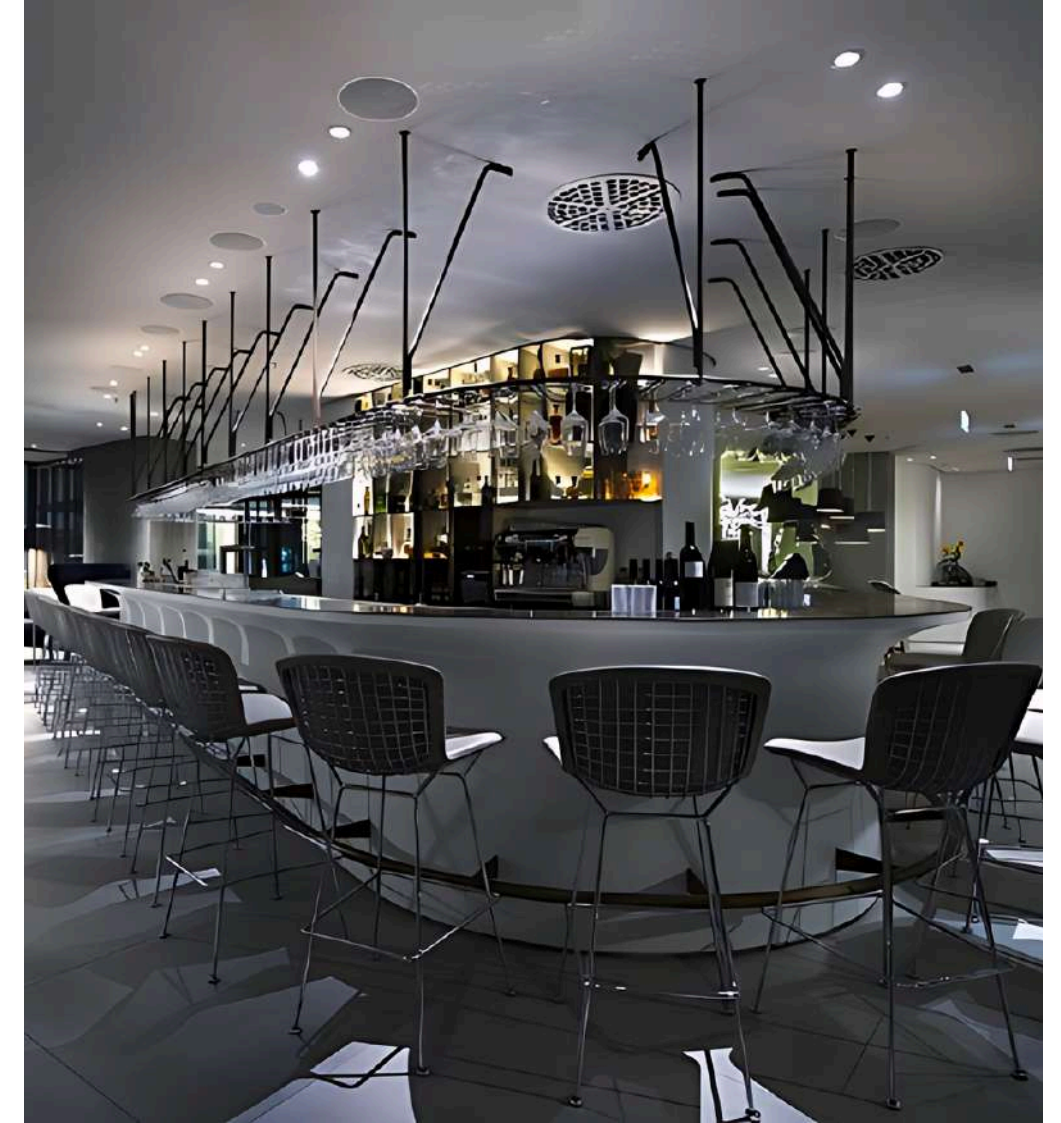


Wyndham Grand Frankfurt

Frankfurt DE

Design: Educa Design Team

Colour: Bright White



SHOPPING MALL



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SHOPPING MALL



Moscow MALL

Moscow RU

While every Acrylic colour delivers vibrancy and versatility, the premium Supreme collection adds even greater visual standout. Each contemporary option in the collection features random, veined-patterns that are directly inspired by nature, enabling designers to create the effect of marble and natural stone at a fraction of the cost.



Park Forbes

İskenderun TR
Design by TACA

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



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SHOPPING MALL



Tashkent UZ

Tashkent City Mall is a dynamic destination that provides the perfect environment for a new generation of consumers to shop, work and socialize.

Setting the benchmark for lifestyle, retail and entertainment in Central Asia, Tashkent City Mall is due to become a world-class destination, which enhance quality of life for those living in and visiting Tashkent.



Tashkent UZ

This atrium represents 'Future' with its futuristic smooth lines and minimal colour.

When the waves break on the shores of a white beach, the foamy water droplets splash apart into organic forms that feel refreshing and natural. In the same way, the pattern of Supreme Ocean View emits a subtle shimmer that creates a fresh atmosphere.

SHOPPING MALL



Tashkent City MALL

Food Court
Tashkent UZ

A view from the food court floor. Bold nice colours were used to give the festive atmosphere.



Terrace on the foodcourt floor has beautiful City Park view.



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SHOOPING MALL



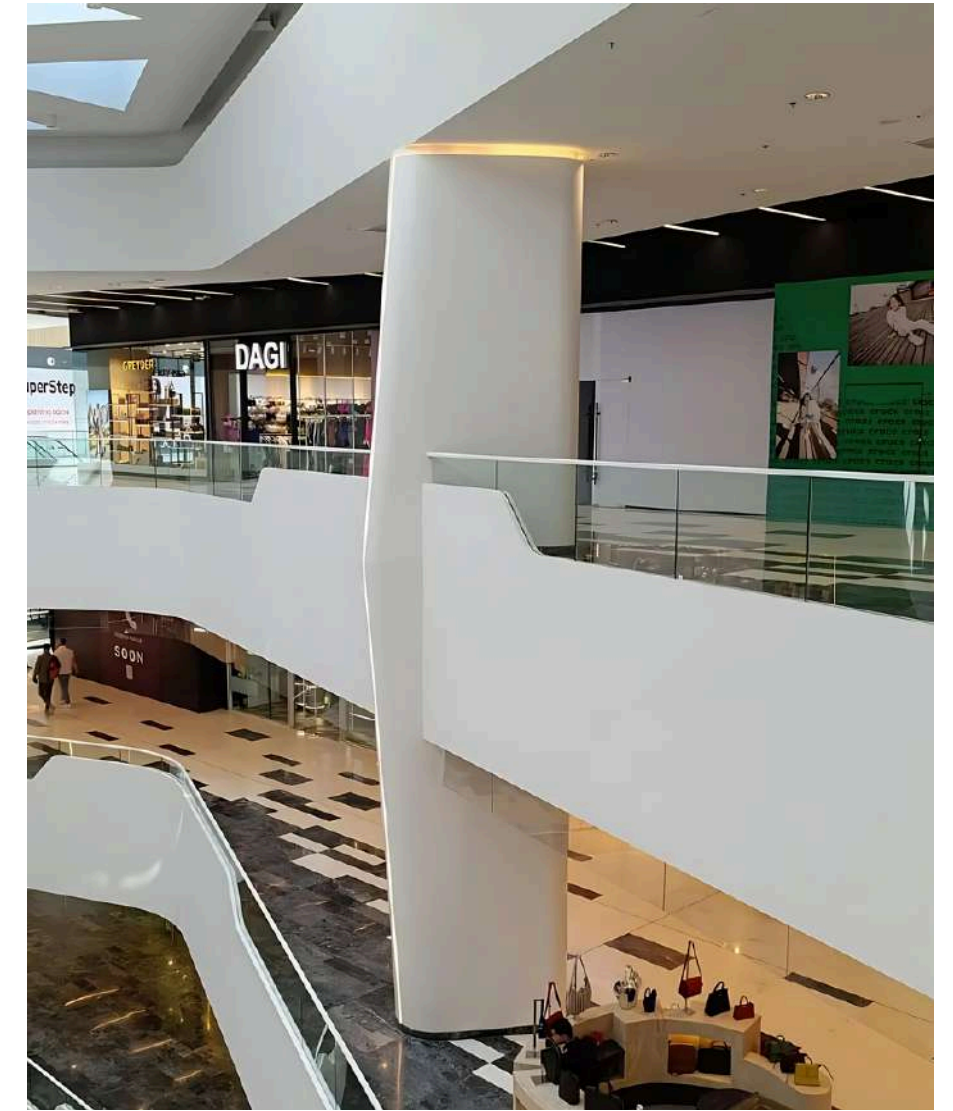
Tashkent City MALL

INTERIOR AND TERRACE VIEWS
OF THE SHOPPING MALL

It has a modest yet modern design, bringing together modern materials such as perforated acrylic sheets and traditional materials such as sandstone.



This atrium represents 'Future' with its futuristic smooth lines and minimal colour.



In the shopping mall there is a Fresh Food Market.

It has stands for selling local organic food. Also in this area there are cafes and restaurants.



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PLAY GROUND



PLAY GROUND

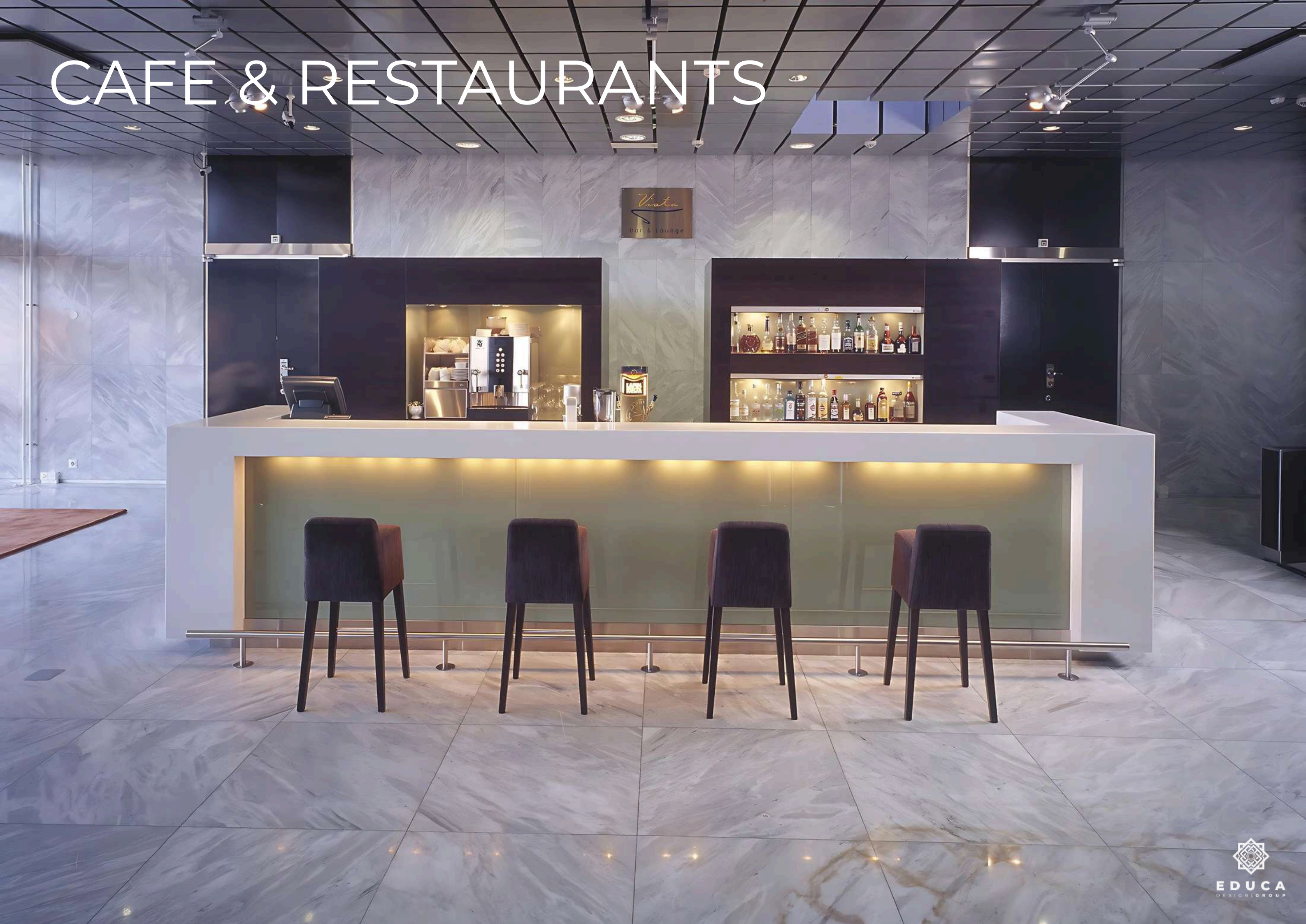


Tashkent SKYPARK

This information desk represents 'Future' with its futuristic smooth lines and minimal colour.

Sky Park is an international designer and creator of modern multi-format children's entertainment complexes, distinguished by its uniqueness and meeting high safety standards.

CAFE & RESTAURANTS



CAFE & RESTAURANTS



XING FU TANG

Tashkent, UZ

Design: EDUCA Architects

Colour: Pure White

Xing Fu Tang (幸福堂), known for making the best hand-crafted brown sugar boba from Taiwan



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CAFE & RESTAURANTS



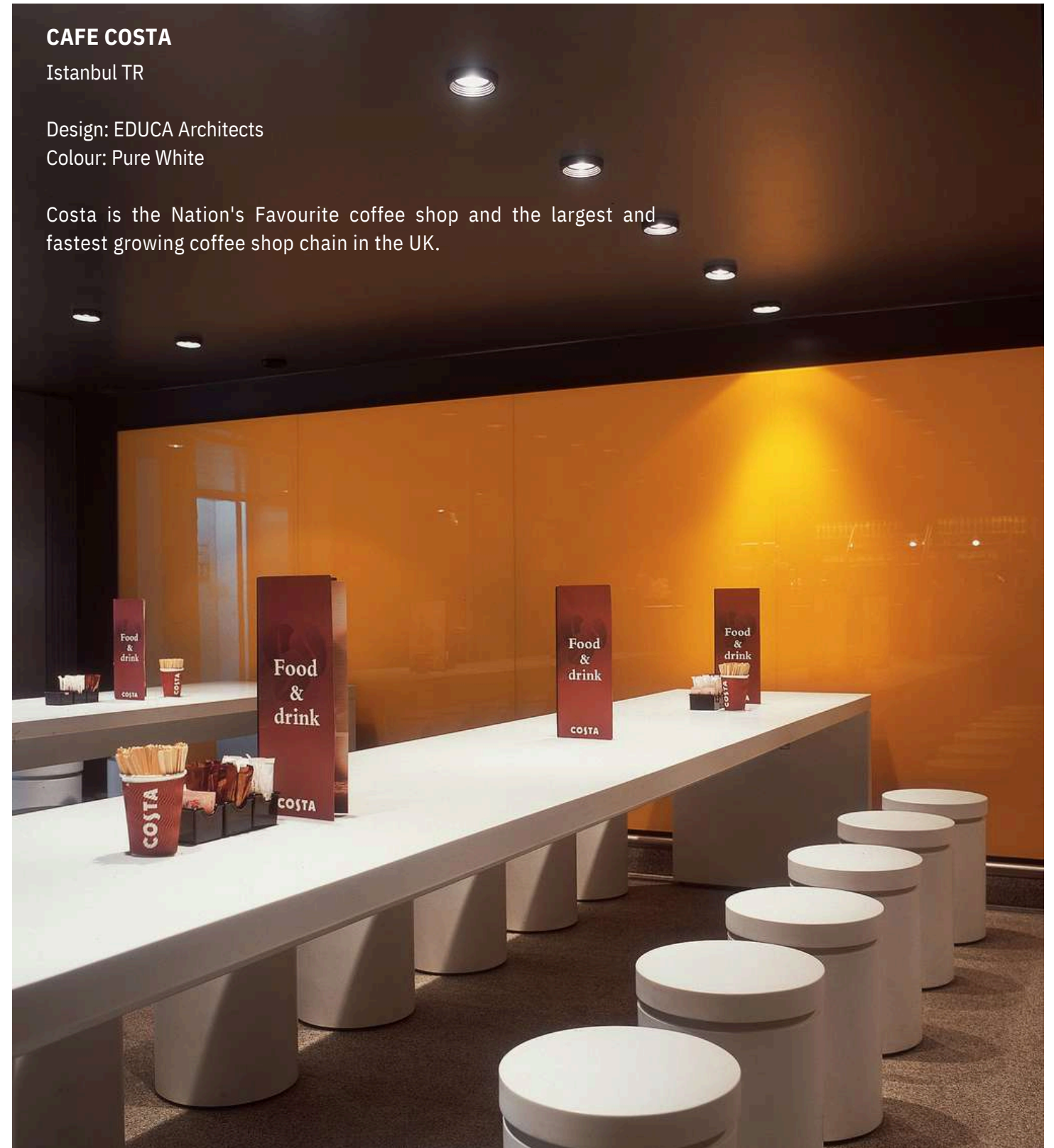
CAFE COSTA

Istanbul TR

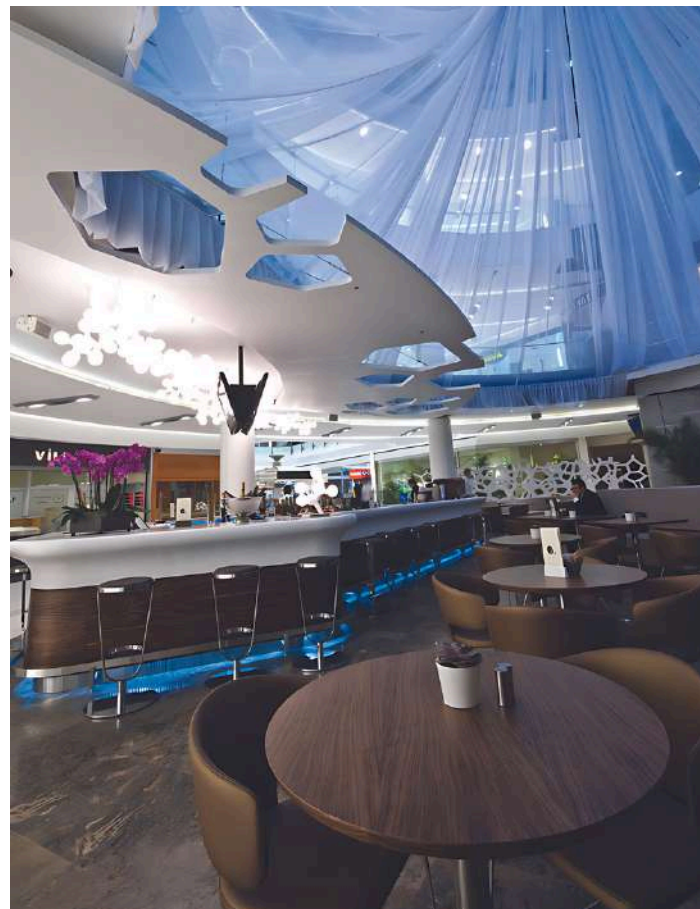
Design: EDUCA Architects

Colour: Pure White

Costa is the Nation's Favourite coffee shop and the largest and fastest growing coffee shop chain in the UK.



CAFE & RESTAURANTS



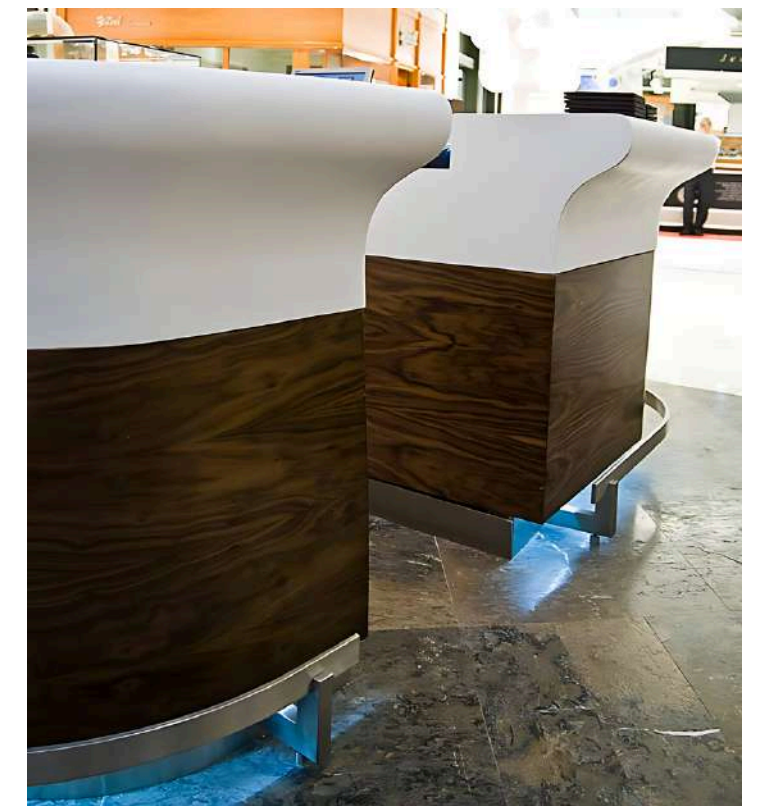
Scafe Akmerkez

Istanbul TR

Design: Toner Architects

Colour: Pure White

When designing their first Flagship store, leading online fashion brand 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 Architects Architects and Acrylic 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. Solid Surface was chosen for the task, due to its hardwearing properties and ability to be thermoformed into free-flowing curves – a key motif of Toner's work. Complementing the unit were a series of curved walls and display plinths in Pure White Acrylic, again reflecting the architect's signature style.



INTERIOR WALL CLADDING



INTERIOR WALL CLADDING



Bernardo Biev
Istanbul TR

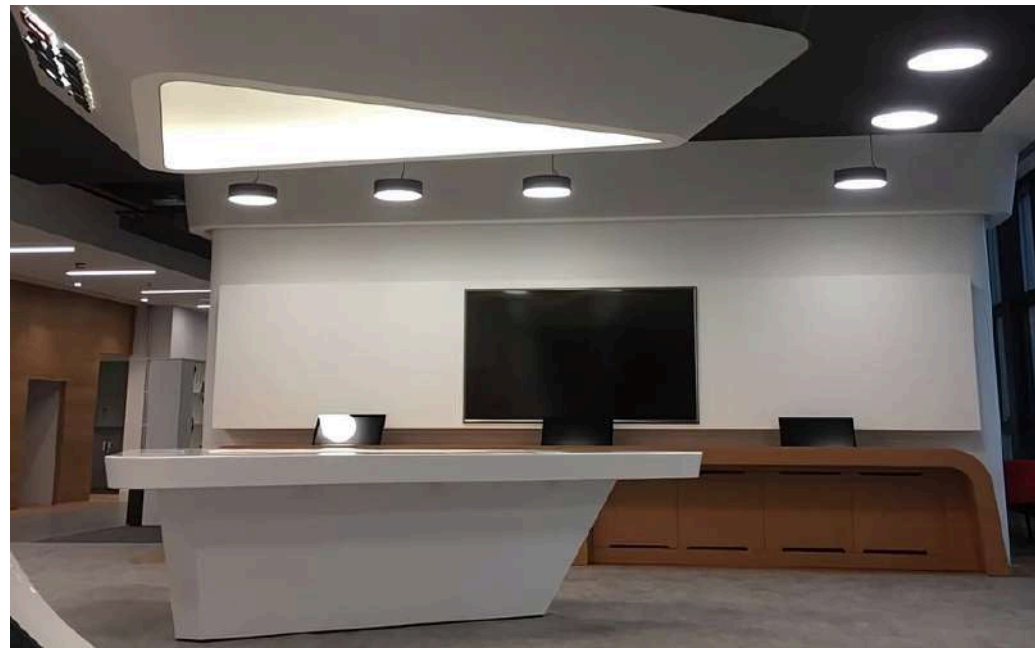
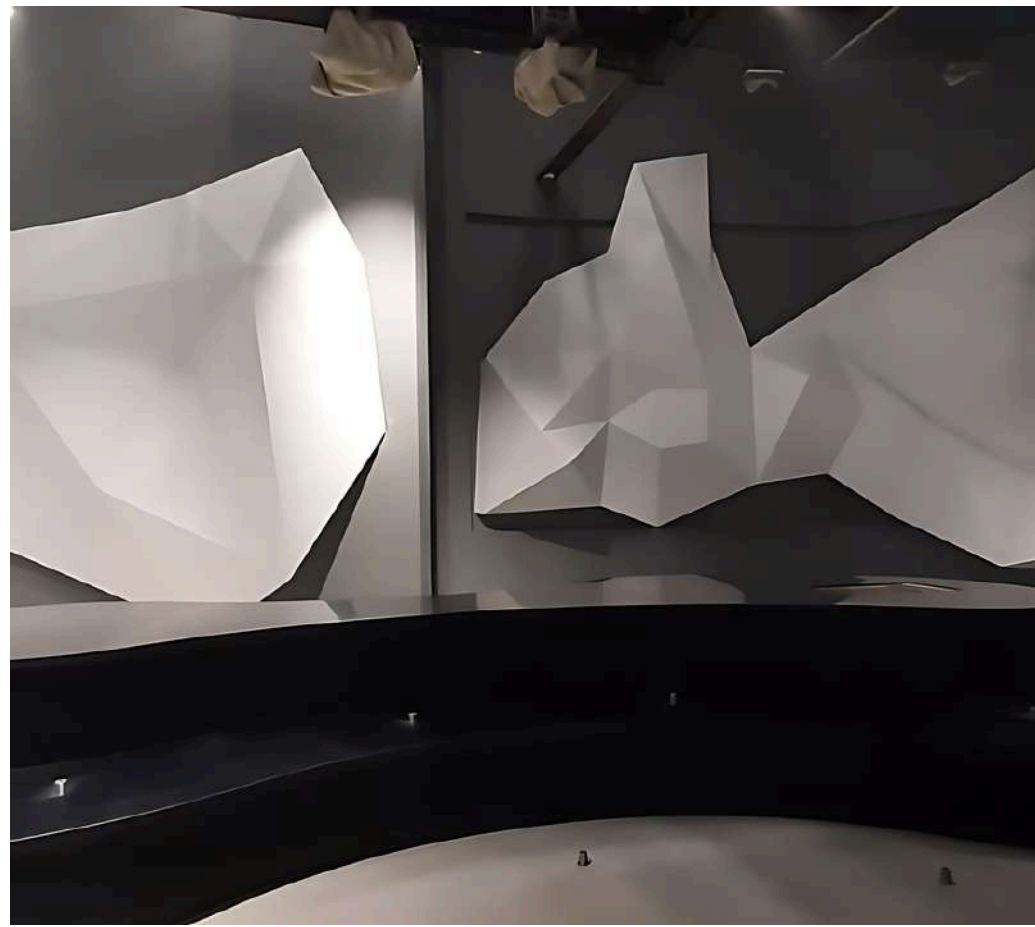
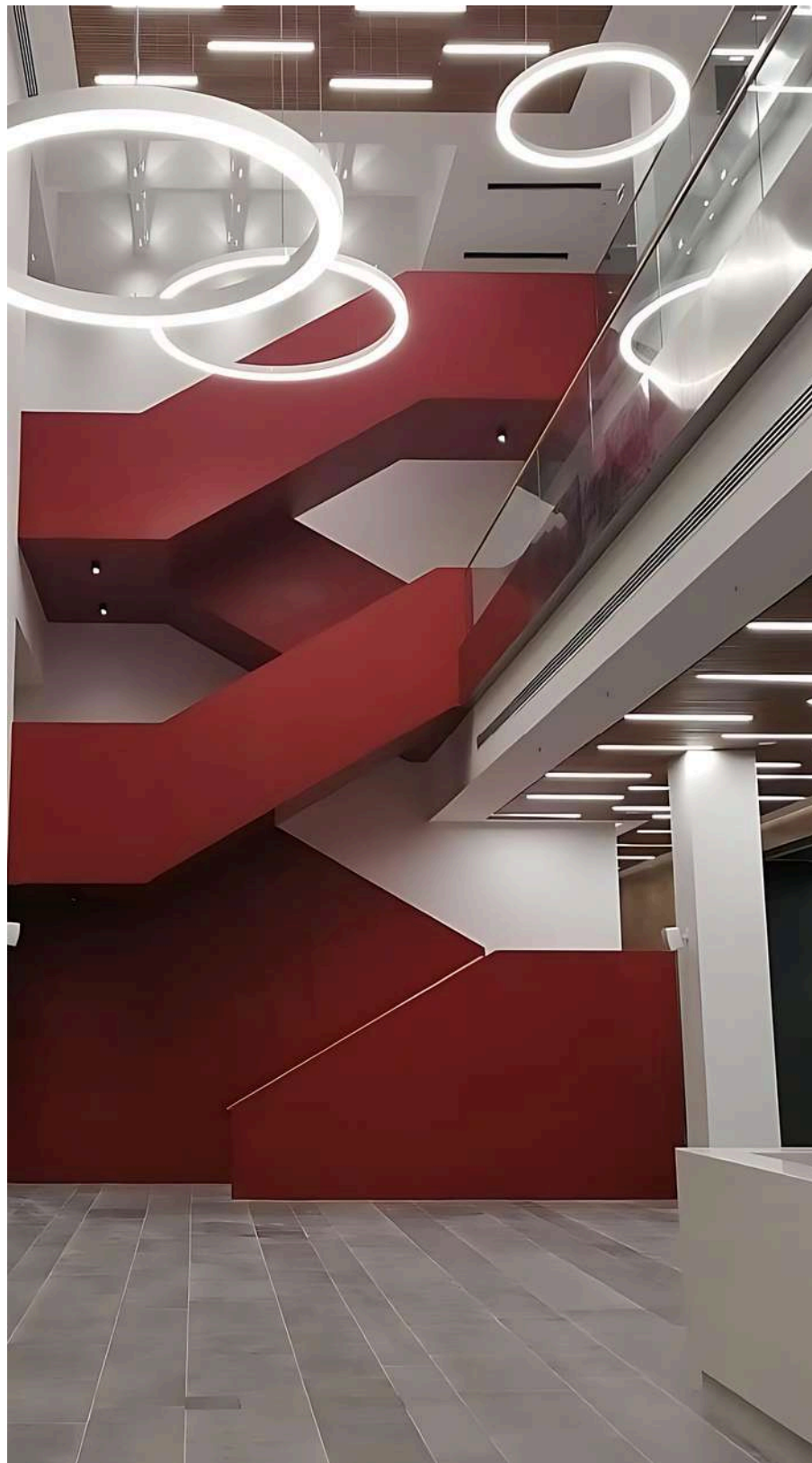
Design: Toner Architects
Colour : Supreme Delphi



Thermoformed Acrylic panels enable you to achieve a contemporary minimalist aesthetic with maximum ease. Inset lighting, long flowing curves and a seamless finish can all be achieved, resulting in an eye-catching finish where walls and ceilings effortlessly become one.



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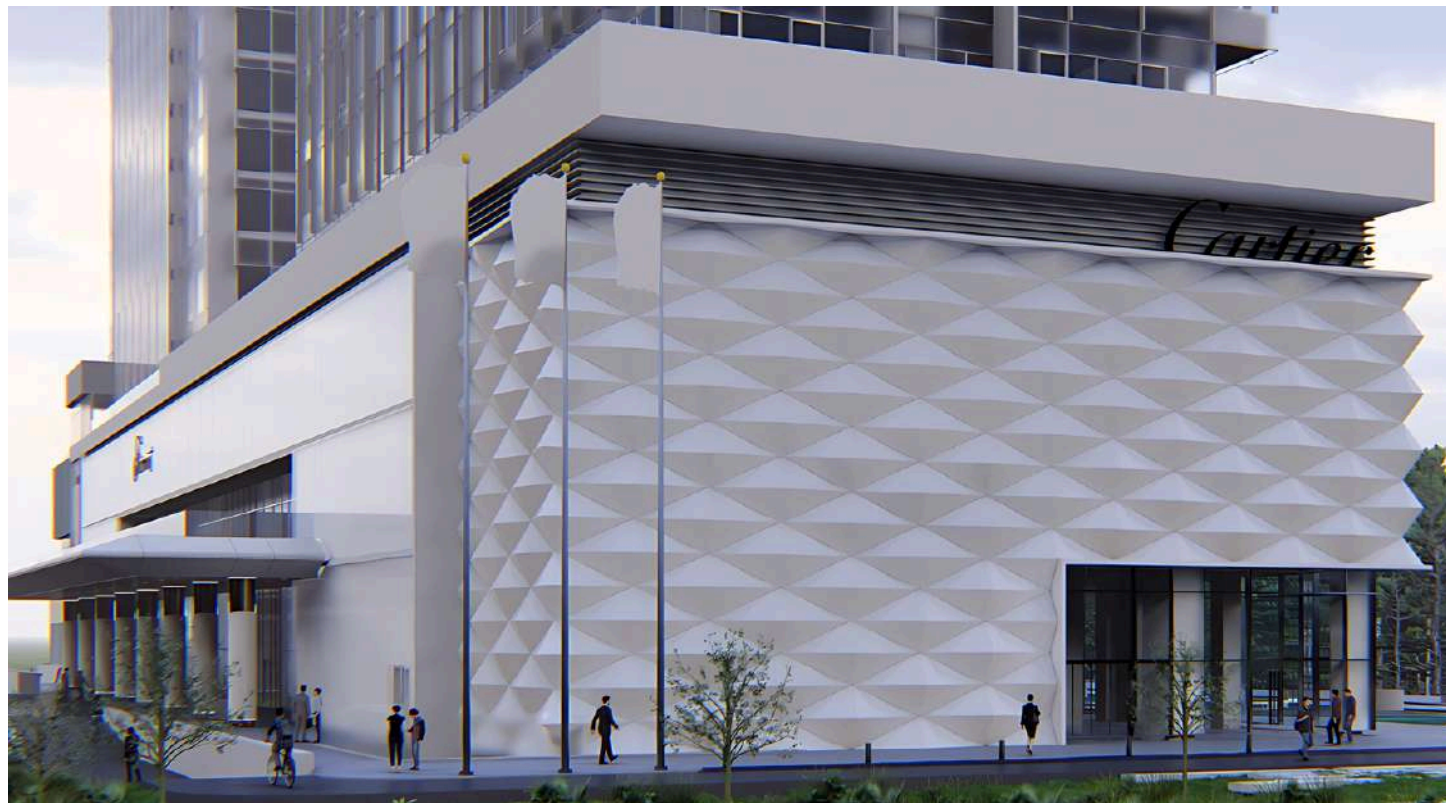
INTERIOR WALL CLADDING

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

EXTERIOR WALL CLADDING



EXTERIOR WALL CLADDING



From sleek modern designs to timeless classics, our range of exterior solid surface finishes caters to diverse architectural visions. Whether adorning the façade of a commercial building or enhancing the charm of a residential property, our solid surface cladding elevates the exterior aesthetic while ensuring long-lasting performance.



Just as with our interior products, cleanliness and hygiene are paramount, our exterior solid surface cladding is easy to clean and inherently resistant to dirt and grime buildup. This ensures not only the longevity of the material but also the maintenance of a pristine exterior appearance.

EXTERIOR WALL CLADDING



OTHER



FLAME RETARDANCY

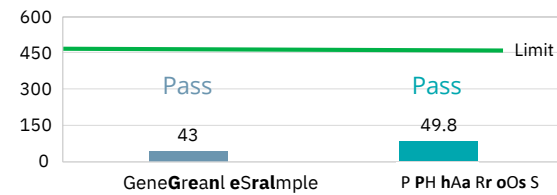
SUPER FLEX

SPECIALISED FORMULA FOR DRAMATIC CURVES & DESIGNS

Acrylic 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, Educa 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



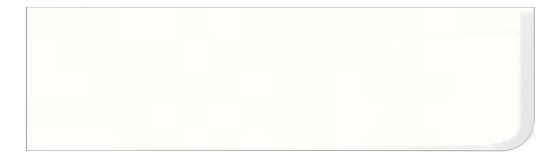
RECYCLED

ACRYLIC

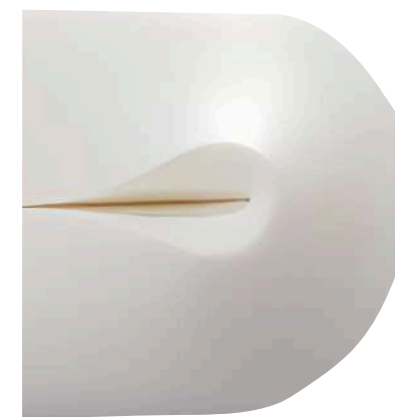
Solid Surface colours consist of recycled materials, which reduces industrial waste and energy consumption during the production process. The colours are also eco-friendly, as certified by GREENGUARD and GREENGUARD Gold – and particularly recommended for use in hospitals and education buildings, where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



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



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



RADIUS
" 0 MM "

TIME-SAVING

Acrylic Super Flex can be thermoformed at lower temperatures and in shorter heating times compared to the thermoforming process of existing Solid surface colours.

Product	Oven Temp.	Time	Radius
Solid (12T)	°F	45-80 min	2" (50mm)
	°C		
Super Flex	°F	20-30 min	0" (0mm)
	°C		



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EXTERIOR WALL CLADDING

DISCOVER THE VERSATILE BEAUTY OF ACRYLIC COLOURS FOR EXTERIOR CLADDING

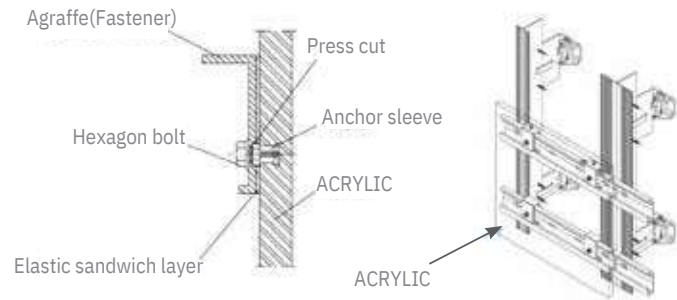
EUROPEAN TECHNICAL ASSESSMENT CERTIFIED [ETA-16/0091]

The ETA certificate for Acrylic Solid Surface 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 Educa is a suitable material for exterior cladding under European regulations.

INSTALLATION

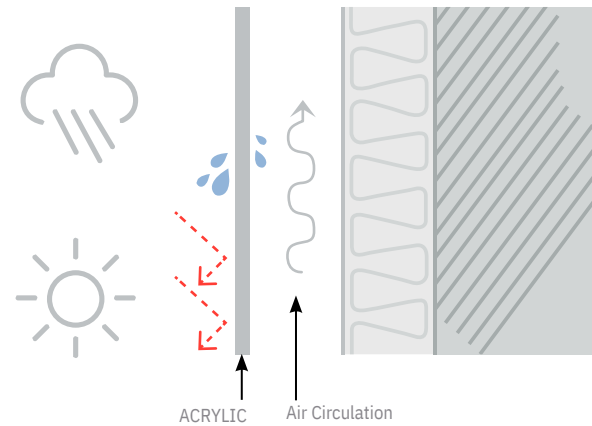
Ventilated facade cladding system and undercut anchor is the official and proper fixing method for Solid panels of 12 mm thickness.

- UNDERCUT ANCHOR AND CLADDING FIXING



- ADVANTAGES OF VENTILATED FACADE

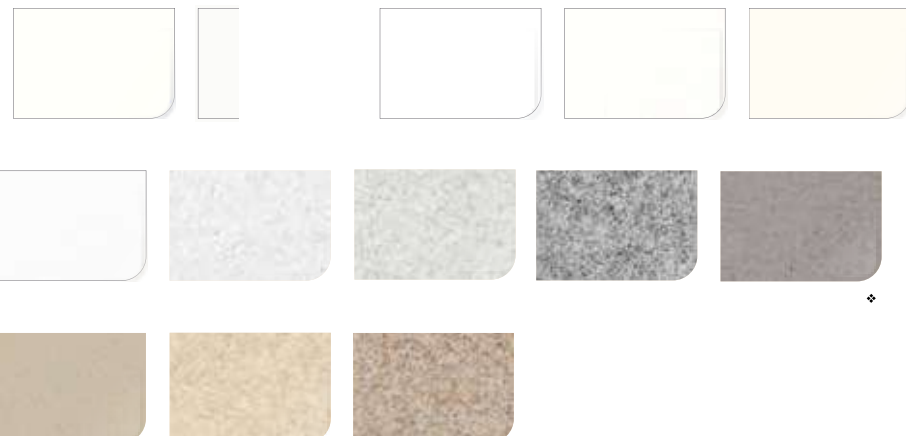
- Discharges rainwater entering from the outside and moisture created inside the building via the gap to prevent corrosion of the building
- Saves energy in the building thanks to increased thermal insulation
- Reduces external noise
- Prevents condensation from forming in the building



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)

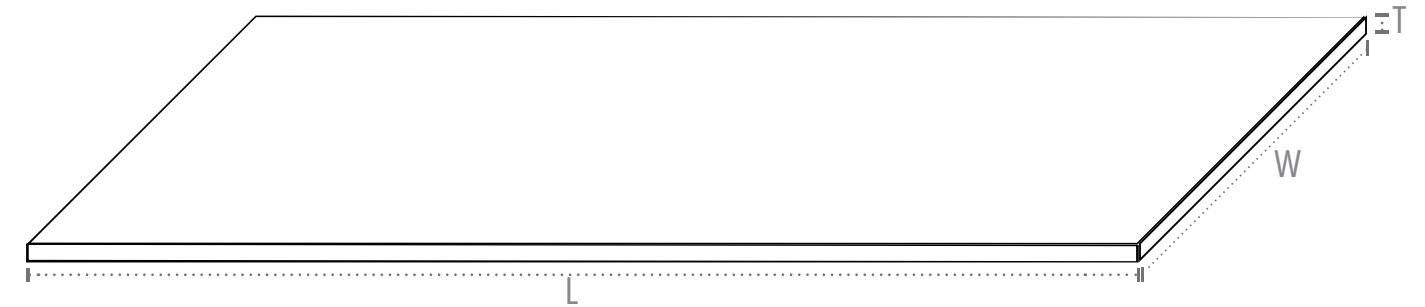
RECOMMENDED COLOURS FOR FACADES & CLADDING



PANEL DIMENSIONS

Customers get to pick from a wide range of thicknesses and widths of Acrylic 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	o
	930*	3.680	

* Only available in White

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.

SOLID SURFACE ACRYLIC 10-YEAR LIMITED WARRANTY

Solid Materials grants the owner a limited 10-year warranty on any Educa installation constructed in accordance with Manufacturer approved processing and application guidelines. For more information about the terms and conditions, please consult our website www.educadesign.com



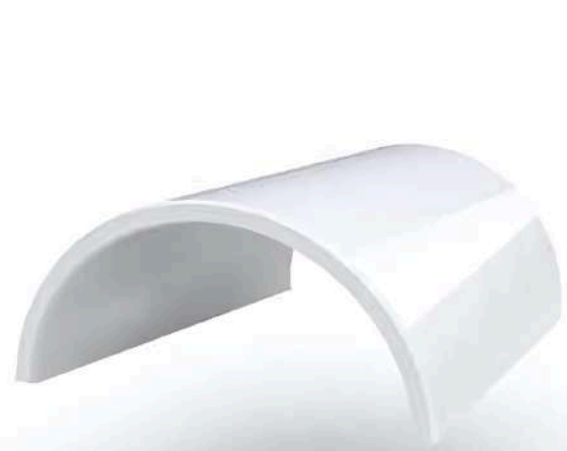
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CONFIGURATION OPTIONS

FORMING

Acrylic 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 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



BACKLIGHTING

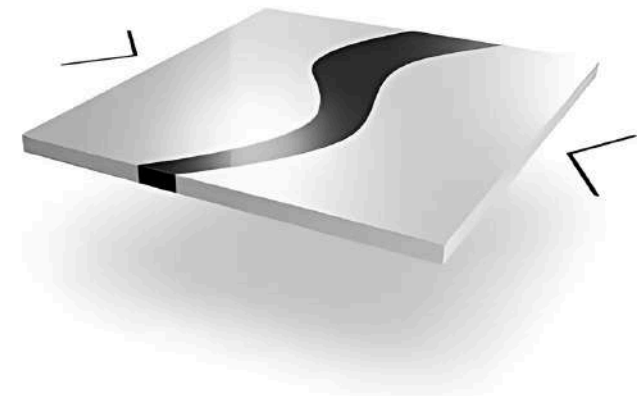
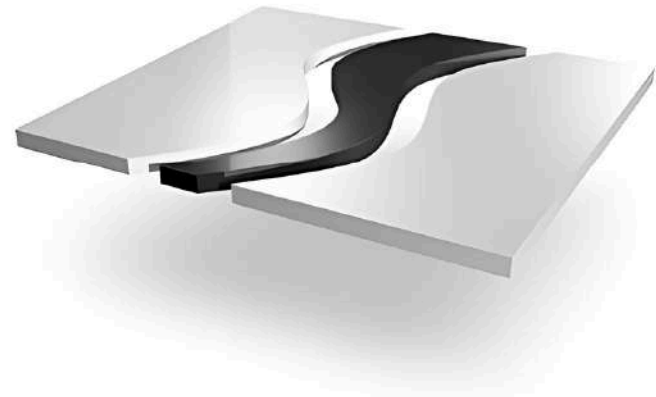
Almost all colours are suitable for partial backlighting of translucent logos or lettering. Full surface backlighting is possible for certain Acrylic colours.

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



INLAYS

After the milling process, different colour Acrylic 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 Acrylic adhesive in the desired colour and grind off flush.



INTEGRATED HOBS

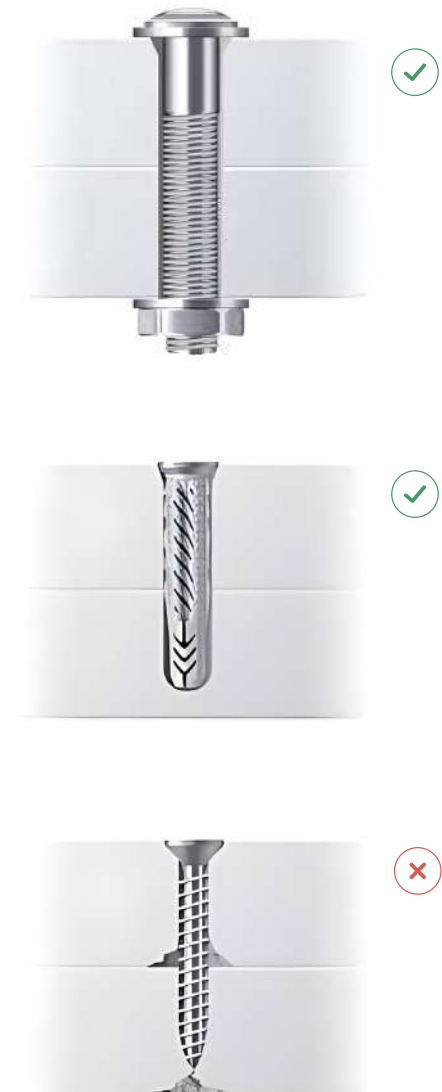
Please pay attention to the following when integrating hobs into Educa panels:

- Shape the inner corners with tapered radius
 - Reinforce the inner corners and cut-out areas with Acrylic 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

Acrylic 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.



EDUCA PRODUCTION

At Educadesign, we take pride in presenting ourselves as a team that confidently takes strong steps at every stage. From design to production, and on to on-site implementation, we are deeply involved, offering a specialized professional approach in every detail.

Our experienced and talented team delivers unique and captivating designs for each project, turning our clients' dreams into reality. With confidence, we approach each project with passion, maintaining our determination to overcome even the most challenging design obstacles.

During the manufacturing process, we operate with high industry standards of quality control and expertise. Utilizing SAP-ERP software and state-of-the-art CNC machines, we ensure that each product is meticulously crafted and assembled to perfection.

In the field application, we conduct our work with meticulous planning and a professional approach. Collaborating closely with our clients at every stage, we aim to exceed their expectations and deliver results that surpass.

Educadesign is known as a reliable and trustworthy partner in our projects. We are dedicated to maintaining the highest level of customer satisfaction and project success at all times.

We are here to design, manufacture, and build for you.



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