

Digital fabrication, sustainable creativity

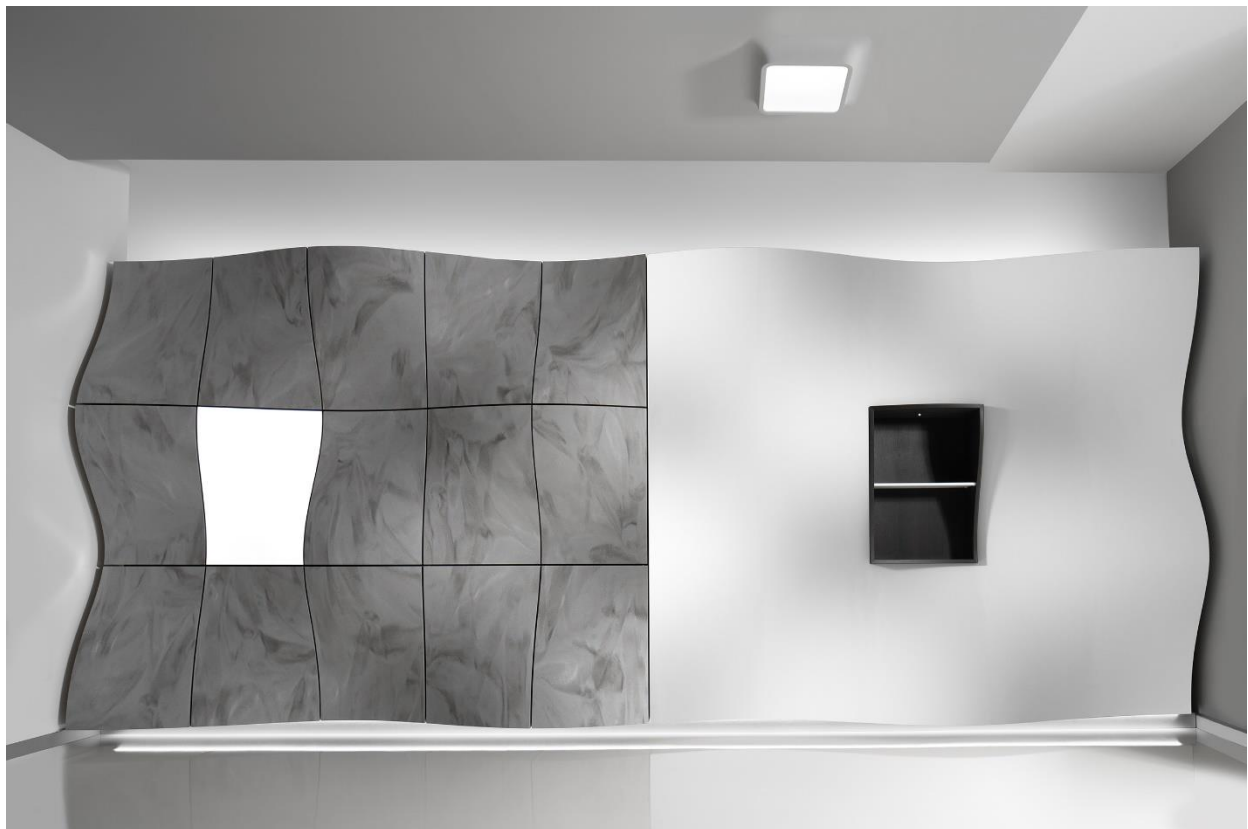
A revolution in interior and exterior cladding design with Corian® Solid Surface

"Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) makes the entire fabrication process inherently sustainable and reduces environmental impact by saving tones of wood as creation of moulds is not needed anymore."

January 2023 - Artificial intelligence revolutionises human activities in various fields. In architecture, parametric design and computer processing break the limits of design possibilities and allow architects to easily explore organic 3D forms, complex geometries, curves and irregular shapes.

Linea Pannelli, distributor of Corian® Solid Surface for Northern Italy, has created a fascinating wall to help designers exploring the possibilities of parametric design applied to the creation of walls with Corian® Solid Surface in interior environments.

Linea Pannelli has dedicated a showroom offering to its customers the opportunity to see and touch samples and products in Corian® Solid Surface. In that space, the company has recently installed a striking 8 metres long and 2.50 metres high wall in Corian® Solid Surface, conceived with a new, innovative technology – Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) bringing parametric designs into life.



The wall made of Corian® Solid Surface with tridimensional panels in Glacier White and Artista Dust by Linea Pannelli allows architects and designers to imagine endless design possibilities, thanks to parametric design; photo by Linea Pannelli; all rights reserved.

Half of the wall is a large panel with different harmonious curves in the Glacier White colour featuring a curved black painted oak bookcase. The other half is a composition of smaller panels with open joint in the Artista Dust colour, where a single Glacier White panel backlit by a colour-changing LED has been inserted. The aim of this creation is to allow architects and designers to visualise the possibilities of creating tridimensional designs applied to furniture, so creative and personal that it almost becomes artwork, while maintaining the prerogatives of practical, everyday use.

Gianluca Reginato, Sales Manager of Linea Pannelli explains: "This wall is an abstract and conceptual style exercise. It was designed to offer a visual and tactile experience of the potential of Corian® Solid Surface in vertical applications, showing the possibilities of playing with complex curves, which are difficult to achieve with other materials, and the effects that can be achieved with different colours."

So far, the implementation of such projects was a real challenge due to a long time, high cost, lack of high skilled labour and necessity of the use of wooden moulds. Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) removes all these boundaries and brings creative possibilities to a new level - while taking a big step towards sustainability. This is fully digital fabrication technology, 10 times faster than standard solutions – parametric design is uploaded in the software, in no time converted and sent to the reconfigurable mould to shape the required panel.



The wall with tridimensional panels made of Corian® Solid Surface in Glacier White and Artista Dust by Linea Pannelli allows architects and designers to imagine endless design possibilities thanks to parametric design; photo by Linea Pannelli; all rights reserved.

" Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) makes the entire fabrication process inherently sustainable and reduces environmental impact by saving tones of wood as creation of moulds is not needed anymore.", continues Gianluca Reginato.

This innovative and fully automated technology is not only for interiors. It was also used by Materfut®, the official distributor of Corian® Solid Surface for Spain and Portugal, to turn the exterior design of their Headquarter to the first facade made with a series of complex tridimensional, non-repetitive panels in Corian® Exteriors.

Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) allowed Materfut® to create tridimensional facade with organic forms and complex geometries in the most efficient, sustainable and cost-competitive way... saving 40% of the cost compared to a conventional solution.

The Linea Pannelli wall and the Materfut® facade have been met with great enthusiasm by architects and designers, who see a new world of design possibilities opening up thanks to the use of the new technology developed by Corian® Design. The possibilities become practically infinite and allow the realisation of increasingly customised projects.



Materfut® Headquarters, Portugal. The façade with Corian® Exteriors panels (made with Corian® Solid Surface) presents different shaping possibilities, including organically shaped panels created with parametric design; Design by architect Alexandre Sousa Lopes; manufacture and installation of Materfut®; Image by Materfut®, all rights reserved.

About Linea Pannelli (<https://lineapannelli.it>). Linea Pannelli was established over twenty years ago from the far-sighted vision of Giorgio Perdoncin, who converted his carpentry business into a distribution company for highly innovative material Corian® Solid Surface. Linea Pannelli soon became a reference for craftsmen, architects and small and medium-sized companies interested in working with Corian® Solid Surface, for which it is the main distributor for northern Italy. The company is based in Vo', in the province of Padua, and offers customers a practical technical training centre on Corian® Solid Surface. Thanks to continuous investments in management processes and state-of-the-art technology, Linea Pannelli provides design consultancy and the full range of Corian® products in all available colours and sizes.

Corian® Automated 3D Fabrication Solution (#CorianShapingTheFuture) is a new, innovative technology to realise the parametric designs for interior and exterior application – up to 10 times faster and up to 40% cheaper than standard, conventional solutions. With this fully digital solution, implementing projects with organic 3D forms, complex geometries, curves and irregular shapes has never been easier, cheaper and faster.

Beauty Meets Versatility with Corian® Exteriors - Corian® Exteriors solutions based on Corian® Solid Surface brings personality to virtually any type of environment, enhancing and facilitating the lives of those who use and enjoy its unique potential. It can be crafted into almost any shape, for any place, for any purpose, and is available in a wide range of colors, offering you the freedom to design, explore, and create. Long-lasting, durable, and elegant, Corian® Exteriors solutions, such as cladding panels, have a three-dimensional formability that has been liberating inventive and artistic minds for over 40 years. To know more about Corian® Exteriors: [http:// www.exteriors.corian.com](http://www.exteriors.corian.com)

Corian® Solid Surface is a nonporous, seamless, low-VOC materials which helps creating hygienic, easy to clean and disinfect Healthy Spaces. Its surface prevents dirt and stains from penetrating the material, and its seamless look of integrated Corian® worktops, counters, sinks, and coved backsplashes means there are no crevices to trap and grow mould, germs and viruses. This simplifies cleaning, sanitising and routine maintenance. As a low-VOC material, Corian® Solid Surface is free from dangerous chemicals and hence supports better indoor air quality and Green Building certification.

About Corian® Design – Corian® Design, a division of the DuPont company, is a global organization which creates, manufactures and markets advanced materials, products and solutions for interior design and architecture, originating from a foundation of world-class technologies and expertise. Marketed under the Corian® brand and the Make your Space™ tagline, its materials, products and solutions meet the most demanding requirements in terms of beauty, functionality and durability. The Corian® Design global portfolio is continuously evolving and it currently includes Corian® Solid Surface, Corian® Quartz, Corian® Endura and Corian® Exteriors. To know more about Corian® Design and its product offering in your country or region: www.corian.com

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