

CORIAN® SOLID SURFACE PRODUCT OVERVIEW

Product name

Corian® Solid Surface

Manufacturer

Corian® Design
DuPont de Nemours International Sàrl
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1217 Meyrin (Switzerland)
www.corian.uk

Product description

Basic use

Corian® Solid Surface is an advanced composite product used as an architectural and design material in a variety of residential and commercial applications. Corian® Solid Surface offers design versatility, functionality and durability. Supplied in sheets and shapes, it can be fabricated with conventional woodworking tools into virtually any design. It is the original Solid Surface material made only by DuPont. It is widely accepted as a material for countertops, vanity tops, bath/shower walls, kitchen sinks, vanity basins and laboratory bench tops in numerous markets including hotels, healthcare, banks, boutiques and restaurants.

Composition

Corian® Solid Surface sheet is a solid, non-porous, homogeneous surfacing material, composed of ~ 1 /3 acrylic resin (also known as polymethyl methacrylate or PMMA), and ~ 2/3 natural minerals. These minerals are composed of aluminium trihydrate (ATH) derived from bauxite, an ore from which aluminium is extracted. For more information on the composition of the material, please consult the Corian® Solid Surface Safety Data Sheet (SDS) available via the www.dupont.com website or via your local supplier.

Standard products

Corian® Sheets

Available in various standard thicknesses, easily cut to size by professional fabricators.

All colours in the standard colour palette are available in 12 mm sheets that are 760 mm x 3658 mm. Selected colours may be available in 19 mm sheet with the same length and width or 6 mm sheets that are 760 mm x 2490 mm. 930 mm wide sheets are available in selected 6 and 12 mm colours. 1300 mm and 1500mm wide sheets are available in selected 12 mm colours with length 3658 mm. Please consult your Corian® Design distributor or representative for availability.

The Colours of Corian® Solid Surface

A broad palette of colours allows for an almost unlimited working palette. You can choose a single colour; a neutral basis for design; or experiment with eye-catching harmonies. Corian® Solid Surface can also be used as inlays, accents, or as a versatile complement to other materials like metal, wood, stone, etc.

Hues, patterns and textures are related by style and character. Dark, heavily pigmented Corian® colours will show scratches, dust and ordinary wear and tear more readily than lighter, textured colours. As a result, these colours are recommended for applications where surface contact is light or for use as inlays and accent colours.

However, the DeepColour™ series incorporates an innovative, proprietary technology that delivers greater depth of colour and increased durability compared to other dark Corian® colours. Please consult the document *Corian® Solid Surface Recommended Colours for Kitchen Worktops and Heavy Use Environments*. For complete information on colours, refer to www.corian.uk.

Custom Sheets

DuPont can manufacture Corian® sheets in custom colours, patterns and dimensions., within manufacturing capability limits and based on a minimum order quantity.

Corian® Sinks and Basins

A wide range of Corian® sinks and washbasins are available in selected solid colours for custom integration with Corian® sheets to create a continuous surface. This includes basins in selected solid colours for bathrooms, and single and double sinks for kitchens, bars and small wash-up areas, hospitals, and laboratories.

Seamed undermounting eliminates rims that trap dirt and water, minimising cleaning and maintenance and providing improved hygiene.

Please consult www.corian.uk for an overview of the models and dimensions available.

Limitations

Use of 6 mm sheets should be restricted to interior vertical applications. The choice between 12 mm and 19 mm is generally based on performance and cost considerations.

Do not fix Corian® Solid Surface in saunas or steam rooms. Due to the influence of constant exposure to moisture and humidity the coefficient of expansion and contraction are impossible to control.

Due to the complex blending of natural minerals and man-made acrylics, slight colour variations may be found within a sheet or from sheet to sheet or sheet to shape of the same colour. Therefore, checking for colour matching is an essential element of sheet and shape inspection before starting fabrication.

Although Corian® Solid Surface can withstand high temperatures, it should be protected against direct heat with hot pads or heat shields.

Corian® Solid Surface is non-porous so spills and stains remain on the surface. However, some chemicals can stain, discolour or damage the surface of Corian® Solid Surface. These chemicals include strong acids (like concentrated sulphuric acid), ketones (like acetone), chlorinated solvents (like chloroform) or strong solvent combinations (like paint remover). The extent of the damage will depend on the length of contact. Except for strong solvents such as paint remover, short periods of contact will not usually cause severe damage to Corian® Solid Surface. Acid drain cleaners should not be used as they can damage both Corian® Solid Surface and any plastic plumbing beneath. Corian® Solid Surface is not recommended for use in photographic processing laboratories.

More information can be found in *Corian® Solid Surface Chemical Resistance* (K-27406). In some hospitals and laboratories where strong disinfectants come in contact with Corian® applications, the recommendation is to use solid colours and avoid extended contact.

PLEASE VISIT OUR WEB SITE: WWW.CORIAN.UK OR CONTACT YOUR CORIAN® REPRESENTATIVE FOR MORE INFORMATION ABOUT CORIAN® SOLID SURFACE.

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