

Corian® Solid Surface



1. Product name

DuPont™ Corian® Solid Surface

2. Manufacturer

E. I. du Pont de Nemours and Company Inc. (Surfaces division)

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3. Product description

Basic use

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

Composition

DuPont™ Corian® is a solid, non-porous, homogeneous surfacing material, composed of $\pm 1/3$ acrylic resin (also known as PolyMethyl MethAcrylate or PMMA), and $\pm 2/3$ 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® Material Safety Data Sheets (MSDS) available via the msds.dupont.com site or via your local supplier.

Standard products

DuPont™ 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 x 760 x 3658 mm sheets.

Some of these colours are also available in various other sizes.

Some standard dimensions of DuPont™ Corian® sheets are:

- 4 mm sheet: 930 x 2490 mm
- 6 mm sheet: 760 x 2490 mm
930 x 2490 mm
- 12 mm sheet: 760 x 3658 mm
930 x 3658 mm
- 19 mm sheet: 760 x 3658 mm

Check with your supplier for the latest product offering.

DuPont™ Corian® Shape Products

A wide range of DuPont™ Corian® shapes, made using injection moulding technology, is available in

4 solid colours for custom integration with Corian® sheets to create an entire, continuous surface. This includes vanity basins in solid colours for bathrooms, and single and double sinks for kitchens, bars and small wash-up areas, hospitals and laboratories. Seamed undermounting technique eliminates rims that trap dirt and water, minimising cleaning and maintenance and providing improved hygiene. Care, maintenance and installation instructions are included in the packaging. Appropriate accessory products, including installation hardware, are available and recommended for residential kitchens only.

The colours of Corian®

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

For complete information on colours, refer to the latest leaflet about the colours of Corian® or to the www.corian.com website. Hues, patterns and textures are related by style and character. Dark, heavily pigmented colours of Corian® will show scratches, dust and ordinary wear and tear more readily than lighter, textured colours. These colours are recommended for applications where surface contact is light or for use as inlays and accent colours.



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Custom sheets

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

Limitations

Contact a local specialist, distributor or fabricator of Corian® or the Information Centre for DuPont™ Corian®. Although DuPont™ Corian® can withstand high temperatures, it should be protected with hot pads or heat shields against direct heat.

Use of 4 mm and 6 mm sheets should be restricted to vertical applications or certain furniture applications only. The choice between 12 mm and 19 mm is generally based on performance and cost considerations.

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 of same colour. Therefore, checking for colour matching is an essential element of sheet inspection before starting fabrication.

DuPont™ Corian® is non-porous so spills and stains will not be absorbed into the material. However, some chemicals can stain, discolour or damage the surface of Corian®. 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 paint remover, short periods of contact will not usually cause severe damage to Corian®. Acid drain cleaners should not be used as they can damage both Corian® and any plastic plumbing beneath. Corian® is not recommended for use in photographic processing laboratories. More information can be found in the section "Chemical Resistance of Corian® Products". In some hospitals and laboratories where strong disinfectants come in contact with

DuPont™ Corian®, it is recommended that solid colours are used and extended contact is avoided.

4. Performance properties and characteristics

Typical performance properties of DuPont™ Corian® are shown in Table 1. The performance of Corian® sheets may vary according to the thickness of the material (4 mm, 6 mm, 12 mm or 19 mm), its aesthetics and surface finish.

Since its introduction in 1967, DuPont™ Corian® has proven itself to be remarkably durable, versatile and easy to live with in both the home and commercial environments.

Colours and patterns run through the entire thickness of the material and cannot wear away or delaminate. Joints can be glued inconspicuously, making virtually unlimited surfaces possible.

Surfaces in Corian® are renewable, meaning they can be fully restored with ordinary mild abrasive cleansers and a scouring pad. Cigarette burns, for example, can be easily removed in this way. Damage caused by abuse can usually be repaired on site without having to completely replace the material.

DuPont™ Corian® surfaces are hygienic. Because it is a non-porous material, bacteria and mould cannot be trapped and proliferate in its joints, nor underneath the surface.

Corian® is an inert and non-toxic material. Under normal temperature conditions, it does not emit gases. When burned, it releases mainly Carbon Oxides and the smoke generated is optically light and does not contain toxic halogenated gases. Because of these properties, Corian® is used in public spaces and delicate applications such as airport check-in counters, wall and work surfaces in hospitals and hotels.

DuPont™ Corian® can be thermoformed in wooden or metal moulds at controlled temperatures in order to create various 2D and 3D

design objects. Embossing effects can also be created using Bas Relief technique.

The translucency of DuPont™ Corian® is especially striking in the lighter colours as well as in thinner sheets. Many designers are using it to create lamps or lighting effects in various applications. The new colour family, called as Translucent Series, consists of 6 colours in 6 mm and 12 mm sheets featuring enhanced translucency to be used to create special lighting effects.

Inlaying DuPont™ Corian® with different materials or with different colours of Corian® is possible and can enhance the inherent beauty of the material. Inlays and logos can also be created on Corian® using dye sublimation or direct printing techniques.

5. Fabrication and installation

Detailed information on the fabrication and installation of DuPont™ Corian® is available in the fabrication and installation booklets on Corian® as well as in technical bulletins.

Seams

To minimise material usage and facilitate installation, a corner block of Corian® should be made square (butt) rather than mitred. The edges to be joined should be straight, smooth and clean. Some seams need to be reinforced (see fabrication manual for details). Joints should only be made with "Joint Adhesive for DuPont™ Corian®". Cutouts should be made with a router equipped with a sharp carbide bit, with a minimum diameter of 10 mm. All corners of a cutout must be rounded to 5 mm radius and the edges smoothed, both on top and bottom, all around a cutout. "L" and "U" shaped corners need smooth, 5 mm radius inside corners. For hob cutouts, corners should be reinforced with a Corian® corner block. See fabrication manual for more details.

Some colours of Corian® that feature random veins and irregular patterns require special considerations regarding

the seams. Please refer to the related technical bulletin for best practices in fabrication of these colours.

Sealants and adhesives

Corian® is compatible with many commercially available caulks and sealants. However, the specially developed silicone sealant sold by DuPont or its distributors is recommended for best performance and colour match. Vertical panels of Corian® may be installed over suitable substrates, including water-resistant gypsum board, marine-grade plywood and ceramic tiles. In case a support is needed, apply perimeter frame or full support direct to Corian® using large beads of flexible adhesive leaving a space with a minimum thickness of 1.5 mm.

For making seams in countertops, repairs and custom edges, "Joint adhesive for Corian®" in matching colour should be used.

When used in accordance with manufacturer's instructions, it provides a smooth and inconspicuous joint. Joint adhesive for Corian® is available from DuPont or its distributors.

Clearances

The minimum expansion clearance for Corian® is $35 \times 10^{-6} \times (\text{length of the piece of Corian®}) \times (\text{biggest temperature range expected in } ^\circ\text{C})$ in mm. Joints to be caulked should be approximately 1.5 mm wide to allow satisfactory caulk penetration and expansion.

Precautions

Product dimensions are nominal. If tolerances are critical, review your needs with a specialist of Corian®.

6. Availability and cost

Availability

DuPont™ Corian® and accessory products are readily available through a worldwide network of Distributors and certified Fabricators/Installers. Please check the Yellow Pages or call the Information Centre for DuPont™ Corian® for the name of a local distributor.

Cost

Cost varies with thickness and width as well as custom fabrication and installation details. Contact the Information Centre for DuPont™ Corian® for the names of certified Dealers, Fabricators/Installers, who can supply price information.

7. Warranty

Ten-year warranty DuPont offers Corian® with two levels of warranty protection. The limited "Product" warranty is standard for all Corian® products and ensures that all products will be free from manufacturing defects for a period of 10 years after purchase. A higher level of protection, the 10 year limited "Installed" warranty, is available through fabricators member of the "Corian® Quality Network". This "Installed" warranty expands the "Product" warranty to ensure that both the fabrication and the installation of the finished product will be free from defect. With two levels of warranty protection available, you can value engineer warranty coverage for each project. Feel free to discuss your needs with a local specialist of Corian®.

8. Maintenance

Preventing damage to Corian®

Avoid prolonged exposure to strong chemicals such as acids, bases, and organic solvents. Spills should be cleaned up promptly. Refer to Table 3 for additional details regarding chemical exposures, clean up, and general maintenance. In case of exposure outside the specifications listed in the Class I Reagents section, the 10 year limited product warranty will be void and handled as a case of abuse. While unaffected by minor impacts, Corian® can be damaged by heavy impacts, especially from pointed objects. Corian® can also be damaged by excessive heat. A local specialist of Corian® can help you include appropriate heat management into your designs.

Repairing Corian®

DuPont™ Corian® provides superior value by being inconspicuously repairable in most cases. Minor cuts, scratches, and stains can be removed by owners using fine sandpaper and Scotch-Brite™ pads. Deeper cuts or impact damage such as cracks may require a licensed service centre or a Corian® Quality Network member to make inconspicuous repairs.

9. Technical services

There is a Technical Support Team for Europe, Middle East and Africa.

10. Additional information

DuPont has many bulletins which give additional information about Corian® and its properties, including removal of radioactive compounds and HIV (AIDS virus) in healthcare facilities, as well as weatherability and VOC rating. Also available are bulletins, which detail fabrication, installation, repair, and proper use of accessories.

11. Legal

This information corresponds to our current knowledge on the subject.

It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available, since we cannot anticipate all variations in actual end-use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Table 1: performance properties of DuPont™ Corian® products

PROPERTY	TEST METHOD	TYPICAL RESULTS		UNITS	*
		6 mm sheet	12 mm sheet		
Density	DIN ISO 1183	1.73 – 1.76	1.68 – 1.75	g/cm ³	1
Flexural modulus	DIN EN ISO 178	8920 – 9770	8040 – 9220	MPa	1
Flexural strength	DIN EN ISO 178	49.1 – 76.4	57.1 – 74.0	MPa	1
Elongation at break	DIN EN ISO 178	0.58 – 0.94	0.76 – 0.93	%	1
Compressive strength	EN ISO 604	178 – 179	175 – 178	MPa	1
Resistance to impact (spring load)	DIN ISO 4586 T11	> 25	>25	N	1
Resistance to impact (ball drop)	DIN ISO 4586 T12	> 120	>120	cm	1
Surface hardness (Mohs index)	DIN EN 101	2-3	2-3		1
Resistance to surface wear	DIN ISO 4586 T6	63 – 75	58 – 63	Lost weight mm ² /100 rev.	1
Resistance to boiling water-increase in weight	DIN ISO 4586 T7	0.1 – 0.7	0.1 – 0.3	%	1
Resistance to boiling water-surface change	DIN ISO 4586 T7	No visible change	No visible change		1
Dimensional stability at 20°C	DIN ISO 4586 T10	< 0.16	< 0.16	% change in length	1
Resistance to dry heat-180°C	DIN ISO 4586 T8	4-5 slight change	4-5 slight change		1
Lightfastness (Xenon arc)	DIN ISO 4586 T16	> 6	> 6	Blue wool scale	1
Anti-slip properties-with 100 µm	DIN 51130:1992-11	5.8° – do not pass R9 requirement (6° min)		° angle	2
Anti-slip properties-with 120 µm	DIN 51130:1992-11	7.6° – pass R9 requirement (6° min)		° angle	2
Anti-slip properties-with 150 µm	DIN 51130:1992-11	8.1° – pass R9 requirement (6° min)		° angle	2
Resistance to bacteria and fungi	DIN EN ISO 846	Does not support microbial growth			3
Electrostatic surface behaviour	DIN IEC 61 340-4-1		> 1 x 10 ¹²	Ω	4

(1) test report Q IWQ MBL 733 1785-1 (for classification according to DIN EN 438 part 1 & 7) from LGA –Germany/04-2004

(2) test report BMW 0411048-03 from LGA-Germany/03-2004

(3) test report 5642219 from LGA-Germany 03/2004

(4) test report EMA-SMG-814 1131 IWQ-MBL 734 1109 from LGA-Germany/03-2004

Table 2: fire properties of DuPont™ Corian® products

PROPERTY	STANDARD	CLASS/ RESULTS	PRODUCT	Type/Area of application	*
Euroclass for Reaction to fire	EN 13501-1	C-s1,d0	Standard grade, all colours, 6 & 12mm	With any substrate of A2 or better fire performance	1
Euroclass for Reaction to fire	EN 13501-1	C-s1,d0	Standard grade, all colours, 12mm	On a substrate with a fire performance of D or better. (wood based substrate)	2
Euroclass for Reaction to fire	EN 13501-1	B-s1,d0	FR grade colours, 12mm	With any substrate of A2 or better fire performance	3
Euroclass for Reaction to fire	EN 13501-1	B-s1,d0	FR Grade, GW, 12mm	Applied on aluminium profiles with a gap of 50mm	4
Euroclass for Reaction to fire	EN 13501-1	B-s1,d0	Standard grade, GW, 12mm, 930mm wide	Applied on aluminium profiles with an airgap and with mineral wool insulation	5
Euroclass for Reaction to fire	EN 13501-1	B-s1,d0	Glacier Ice, 6mm (Illumination series)	Installed with an airgap in the back	6
Fire behaviour	BS 476 part 6&7	Class 0	FR grade, GW, 12mm	Not specified (material test)	7
Flammability test	DIN 4102-1	B1	FR Grade, Genesis colours	With a distance of >40mm from other materials	8
Reaction to fire - M Classification	NF P 92-501	M2	Standard Grade, 12mm	Not specified (material test)	9
Reaction to fire - M Classification	NF P 92-501	M2	CW, 6mm	Not specified (material test)	10
Smoke index - F Classification	NF F 16-101	F0	CW, 6 & 12mm	Not specified (material test)	11
Calorific potential	EN ISO 1716	9.15 KJ/g	12mm, CW	Not specified (material test)	12
Fire test - Aviation	JAR/FAR - AITM	Pass	FR Grade	Aviation	13
Fire test - Railroad	DIN 5510-2 / DIN 54837	S 4, SR 2, ST 2	12mm	Railroad vehicle	14
Smoke toxicity	DIN 5510-2 / EN ISO 5659-2	Pass	12mm	Railroad vehicle	15

(1) classification report E131025 from Warrington Fire Research-UK/03-2003

(2) classification report 13126E from Warringtonfiregent-Belgium/02-2008

(3) classification report E131024 from Warrington Fire Research-UK/03-2003

(4) classification report 13448C from Warringtonfiregent-Belgium/12-2008

(5) classification report 13700C from Warringtonfiregent-Belgium/03-2009

(6) classification report 230006665 from MPA NRW-Germany/09-2008

(7) test reports 154054 & 154053 from Warringtonfire-UK/09-2006

(8) test report 230005623 from MPA NRW-Germany/2006

(9) classification report 14540-09 from SNPE-France/04-2009

(10) classification report 1226105 from SNPE-France/05-2005

(11) classification reports 11625-04 & 12261-05 from SME/SNPE-France/03-2004 & 05-2005

(12) test report 11624-04 from SNPE-France/03-2004

(13) test report 05-0530 from Fire Test Laboratory Airbus Deutschland GmbH – 2005

(14) test report P60-08-0018 (test according to DIN 54837, classification according to DIN 5510-2) from RST-Germany/01-2008

(15) test report P60-08-3107 (test according to EN ISO 5659, evaluation according to DIN 5510-2) from RST-Germany/02-2008.

Chemical resistance of DuPont™ Corian® products

CLASS I reagents

The following reagents show no permanent effect on Corian® sheet when left in contact for periods of 16 hours.

The chemical residues can be removed with a **wet Scotch-Brite™ pad and bleaching cleanser**. Sometimes, minimal effects have been observed, particularly those indicated by footnotes (*).

Table 3: CLASS I reagents

<ul style="list-style-type: none">• Acetic Acid (10%)• Acetone**• Acrodine Orange• AG Eosin Blue (5%)• AG Gentian Violet• Ammonia (10%)• Ammonium Hydroxide (5, 28%**)• Amyl Acetate• Amyl Alcohol• Aromatic Ammonia• Ball Point Pen• Benzene**• "Betadine" Solution• Bite Registration Accelerator (2% Eugenol)• Bite Registration Base• Bite Registration Mix (50/50)• Bleach (Household Type)• Blood• B-4 Body Conditioner• Butyl Alcohol• Carbon Disulphide• Carbon Tetrachloride***• "Cavity" in Phenol• Citric Acid (10%)• Caulk IRM (with or w/o ZnO)• Calcium Thiocyanate (78%)• Cigarette (Nicotine)• Coffee• Cooking Oils• Copalite Intermediary Varnish• Cotton Seed Oil• Crystal Violet• Cupra Ammonia• Debacterol• Dimethyl Formamide• Dimethylene Blue• Dishwashing Liquids/Powders• "Dry Bond" Dental Adhesive• Eosine• Equalizing Accelerator (23% Eugenol)• Equalizing Base• Ethyl Alcohol (Ethanol)**• Ethyl Acetate	<ul style="list-style-type: none">• Ethyl Ether**• Eucalyptol• "Eugenol" (with or w/o ZnO)• Ferric Chloride• "Fisher" Formaldehyde (40%)• Food Colouring• Formaldehyde• Gasoline• Gentian Violet• Hair Dyes• Household Soaps• Hydrochloric Acid (20, 30%)• Hydrogen Peroxide• Introfiant Arterial Chemical• Iodine (1% in alcohol)***• "Kelviscera" Cavity• Kerosene• Ketchup• Lemon Juice• Lipstick• Liquid shoe polish• "Luralite" Accelerator (16% Eugenol)• "Luralite" Base• Lye (1%)• "Lysol" Brand Cleaner• Mercurochrome (2% in water)***• Methanol**• Methyl Ethyl Ketone• Methyl Orange (1%)• Methyl Red (1%)• Mineral Oil• Munsel's Solution• Mustard• Nail Polish• Nail Polish Remover (Acetone)• Naphthalene (Naphtha)• Neotopanel• n-Hexane• Nitric Acid 6%• Olive Oil• Pencil Lead• Perchloric Acid• Permaflow Preinjection• "Permaglow" Arterial Fluid• Permanent Marker Ink• Peroxide	<ul style="list-style-type: none">• Phenolphthalein (1%)• Phosphorus Pentoxide• Picric Acid• "Procaine"• Potassium Permanganate (2%)• Restorative Anti-dehydrant• Saffron• Salt (Sodium Chloride)• Shoe Polish• Silica Dental Cement (liquid)• Silver Nitrate (10%)• Soapless Detergents• Sodium Bisulphate• Sodium Hydroxide Solution (5, 10, 25, 40%**)• Sodium Hydroxide Flake**• Sodium Hypochlorite (5%)• Sodium Sulphate• Solitine solvent• Soy Sauce• Sugar (Sucrose)• Sulphuric Acid (25, 33, 60%)• Tannic Acid• Tea• Tetra Hydrofuran• Tetramethyl Rhodamine Isothiocyanate• "Thymol" in Alcohol• Tincture of Iodine• Tincture of Mercurochrome• Tincture of Merthiolate• Toluene***• Tomato Sauce• Trichloroethane• Trisodium Phosphate (30%)• Trypan Blue• Urea (6%)• Uric Acid• Urine• Vinegar• Washable inks• Wine (all varieties)• Wright's Stain• Xylene• Zephiran Chloride• Zinc Chloride• Zinc Oxide (paste, ointment)
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* May cause surface etching or deglossing after 16 hours exposure

** May cause slight lightening after 16 hours exposure

*** May cause slight darkening after 16 hours exposure.

CLASS II reagents

Corian® is not recommended for working areas where CLASS II reagents may come in contact with Corian®.

The 10 Year Limited Installed and Product warranty does NOT apply where class II reagents come in contact with Corian®.

The occasional stain that might result from inadvertent exposure to Class II reagents can often be removed. Scrubbing with household cleanser will remove light stains. More stubborn surface stains will require sanding with fine to coarse sandpaper.

The following residues may require sanding for complete removal:

- Acetic Acid (90, 98 %)
- Acid Drain Cleaners
- Aqua Regia Cleaner
- Chlorobenzene
- Chloroform (100 %)
- Chromic Trioxide Acid
- Cresol
- Dioxane
- Ethyl Acetate
- Equalizing Mix (50/ 50)
- Formic Acid (50, 90 %)
- Furfural
- Glacial Acetic Acid
- Giemsa
- Hexaphene Autopsy/Viscera Treatment
- Hydrofloric Acid (48 %)
- Luralite Mix (50/ 50)
- Methylene Chloride-Based

Products

- Paint Removers
- Brush Cleaners
- Some Metal Cleaners
- Nitric Acid (25, 30, 70 %)
- Phenol (40, 85 %)
- Phosphoric Acid (75, 90 %)
- Photographic Film Developer (used)
- Sulphuric Acid (77, 96 %)
- Trichloroacetic Acid (10, 50 %)

Specialised products

Biochemistry staining agents in most instances will stain Corian® after a few minutes' exposure. However, the stains are generally removable by prompt scrubbing with acetone as indicated below.

- Giemsa
- Trypan Blue - Stains removed with acetone
- Acridine Orange
- Safranine
- Crystal Violet - Stain incompletely removed with acetone

The following dental treatment materials will degloss, etch, or slightly stain Corian® Surfaces. Affected areas may be restored by scrubbing with a Scotch-Brite™ cleaning pad.

- Copalite Intermediary Varnish
- Caulk IRM (with or without ZnO)
- Eugenol (with or without ZnO)
- Luralite accelerator (16 % Eugenol)
- Luralite base
- Solitine solvent

- Equalizing accelerator (23 % Eugenol)
- Equalizing base
- Bite registration base
- Bite registration accelerator (2 % Eugenol)
- Bite registration mix (50/50)

Stains caused by the following dental treatment materials may require light to moderate sanding for removal:

- Luralite mix (50/50)
- Equalizing mix (50/50)

Note:

- Products that are not listed may be similar to the ones that are. Please compare the ingredients listed on their label or in their Material Safety Data Sheet to the ones mentioned.
- The published data are for 16 hours exposure time. In reality exposure can be much longer. A leaking hand-soap dispenser may cause a liquid puddle under it for weeks and months. Similarly some containers have poorly designed spouts/caps from which product leaks every time they are used, so that they stand constantly in their spill. If needed, a drip cup or a spill tray in a suitable material would address these situations.
- The resistance to staining of Joint Adhesive is slightly less than that of Corian® sheet and shape.
- Our draining accessories are recommended for residential kitchens only!

Scotch-Brite™ is trademark of 3M.

For more information, please visit our web site:

www.corian.com



The miracles of science™

DUPONT™ CORIAN® USE & CARE – STAIN REMOVAL GUIDELINES:

Common household spills:	Procedure:
For everyday cleaning	A-B-D
Vinegar, coffee, tea, lemon juice, vegetable, dyes, ketchup	A-B-C-E-I
Grease, fat and oil residues	A-B-C-D-I
Hard water scale, soap, minerals	A-B-F-I
Lily pollen, saffron, a light scratch, cigarette burns, shoe polish, ink, marker pen	A-B-C-E-I
Mercurochrome, blood, red wine, perfume	A-B-C-D-E-I
Nail varnish spills	A-B-C-G-I
Iron or rust	A-B-C-H-I
Iodine, mildew	A-B-C-E-I

Cleaning methods*:

- A.** Remove excess with a soft cloth;
- B.** Rinse surface with warm water and dry with a soft cloth;
- C.** Use a damp microfibre cloth and a small amount of 'Bar Keepers Friend';
- D.** Use a microfibre cloth and rub over the stain with a detergent or a standard household kitchen spray (e.g. Flash, Mr. Muscle, Cif);
- E.** Use a microfibre cloth and rub over the stain with some diluted bleach**. Rinse several times with warm water and dry with a soft cloth;
- F.** Use a microfibre cloth and rub over the stain with a standard household lime-scale remover or vinegar (Viakal, Lime-lite). Rinse several times with warm water and dry with a soft cloth;
- G.** Use a microfibre cloth and rub over the stain with a **non-acetone** based Nail varnish remover. Rinse several times with warm water and dry with a soft cloth;
- H.** Use a microfibre cloth and rub over the stain with a metal cleaner or rust remover. Rinse several times with warm water and dry with a soft cloth;
- I.** If the stain persists, contact our Warranty Centre (see details inside);

* Always clean using circular motion.

** Bleach can discolour Corian® if not removed completely by rinsing with water afterwards.

Cif is a trademark of Unilever / Mr. Muscle is a trademark of SC Johnson / Flash is a trademark of P&G / Viakal is a trademark of P&G / Lime-lite is a trademark of McBride.



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www.corian.co.uk
www.corian.com

DuPont™ Corian® Use & Care Guidelines

How to enjoy living with Corian®...

If you have just introduced DuPont™ Corian® to your home...

... it is the elegant, hygienic, long-lasting solid surface material used for kitchen tops, bathroom vanities, shower walls, furniture and many other applications.

These guidelines will answer your questions on how to use and care for Corian® wherever you have chosen to install it.

Like all decorative materials, Corian® responds best when handled with care.



GETTING USED TO DUPONT™ CORIAN®

On installation, a Corian® worktop will have an overall satin sheen finish. However, as you use it, Corian® eventually acquires a smoother, more silken finish. To ensure that this luster develops evenly, consult our cleaning guidelines included herein. You'll be pleased to see how Corian® maintains its beauty over time.

HOW TO CLEAN DUPONT™ CORIAN® KITCHEN TOPS & SINKS



• For everyday cleaning

Although liquids cannot penetrate Corian®, it is best to wipe up spills as they occur. Just use a damp microfiber cloth with a standard household kitchen spray, such as Cif or Mr.Muscle. Always clean using a circular motion. If a stain needs more attention, refer to our cleaning methods stated herein.

For sinks:

• Once or twice a week, give your sink a beauty treatment.

Remove all the fat and oil residues of normal food preparation from the sink, using a detergent or a hard-surface cleaner. Use a spray with 3/4 of liquid household bleach and 1/4 water to spray the sink and leave a few hours or overnight. The exposure time should be limited to 16hrs. In the morning, rinse or clean with a damp cloth. The sink should then be beautifully clean, with very little effort.

Worktops and Sinks:

Generally, a damp microfiber cloth used with a standard household kitchen spray should remove most stains.

• Dealing with resistant stains:

– **Common household spills, such as vinegar, coffee, tea, lemon juice, dyes, ketchup, red wine or vegetable spills:**

Refer to the table for guidelines on specific stains.

– **Hard water** can be a problem in many areas, & can build up over time. If you live in a hard water area, & are experiencing problems with stain removal, apply Viakal 'gel' over the area, leave for 2-4 minutes, then remove with a damp microfiber cloth. Using a second clean microfiber cloth, rinse the area thoroughly with water.



– For stubborn stains, apply a small amount of Bar Keepers Friend over the stain. Using a damp microfiber cloth, clean using a circular motion. Rinse off as before.

– If the problem persists, please contact our Corian® Warranty centre, who will be able to refer you to a local Corian® Quality Network Fabricator or Service Centre for professional advice.

WHAT TO WATCH OUT FOR...

• Heat:

– Always use a heat protection pad, trivet (with rubber feet) or protective sink mat for hot cookware, or leave cookware to cool on the hob first. Never put hot pans, particularly cast iron, directly on a Corian® top or in a sink. Such heat can damage any surface!

– Pouring boiling liquids directly into sinks without turning on the cold tap may damage your Corian®.

– Always use the correct size pan on the burner and place it centrally. An overhanging pan scorches surrounding surfaces.



• Scratches:

Like all materials DuPont™ Corian® will develop slight abrasion marks in normal daily use:

– Never cut or chop on Corian® - it will score the work surface! Use a chopping board instead.

– Dark, heavily pigmented colours will show scratches, dust and ordinary wear and tear more readily than lighter, textured colours. (for more details, refer to our colour brochure).



• Chemical Spillage:

Accidental spills of strong chemicals (e.g. paint stripper, brush cleaners, metal cleaners, oven cleaners, cleaners containing methylene chloride, acid drain cleaners, acetone based nail varnish removers etc.) should be flushed promptly with plenty of soapy water to avoid damaging worktops! For nail varnish spills, non-acetone based remover can be used, and then flushed with water. Undetected or prolonged exposure to chemicals may damage the surface. (Refer to the Corian® spec data sheet via your Corian® supplier for additional details regarding chemical exposures, clean up and general maintenance. In case of exposure outside the specifications listed in our spec data, the 10 year limited product warranty will be void and handled as a case of abuse.)



WHATEVER HAPPENS, DO NOT DESPAIR!

DuPont™ Corian® is inherently “renewable” because it is solid and homogeneous all the way through. Most damage, including severe impact, heat or chemical damage, can usually be repaired on site to restore the original, smooth, hygienic solid surface integrity.

Contact our Corian® Warranty Centre, who will be able to refer you to a local Corian® Quality Network Fabricator or Service Centre for professional resanding or repairing of the Corian® work-surface. DuPont™ Corian® Quality Network Service Centres are approved by DuPont to do expert repair and finishing work. They can also handle installation work and offer maintenance contracts to commercial customers to keep a Corian® installation in prime condition.

Most of our Use & Care guidelines, you probably already follow instinctively, but if you have any questions we have not answered, please contact us!

Du Pont de Nemours (Belgium) BVBA
Corian® Warranty Centre
Antoon Spinostraat 6
B-2800 Mechelen, Belgium
UK 0800-962116 or
info@corian.co.uk.

... we remain committed to satisfy your Corian® needs.
You can also visit our website:
www.corian.co.uk / www.corian.com

DuPont™ Corian® Warranty

Du Pont de Nemours International SA, CH-1218 Le Grand Saconnex, Switzerland (hereafter called ‘DuPont’) warrants hereby, subject to the time limitations described under point 3, the following:

DuPont warrants to you, the owner of the original interior worktop or decorative Corian® solid surface installation, that DuPont will, at its discretion, replace or repair, your installation of DuPont™ Corian® installed and fabricated by a Corian® Quality Network installer/fabricator, if the product fails due to any product defect during the first ten (10) years from the date of completion of installation of Corian®. This warranty does not cover products made by other suppliers.

General terms and conditions of the ten (10) year limited warranty

- This warranty applies exclusively to interior decorative Corian® solid surface installations that are installed and fabricated by Corian® Quality Network Installers/Fabricators and in accordance with the installation procedure in force at the time of installation.
- This warranty does not cover any damage(s) caused by:
 - Improper or inadequate residential or commercial use, care or maintenance.
 - Any Corian® material modification or misuse, i.e. non-use of cutting boards, hot pads.
 - Installation and/or operation outside the materials interior environment specifications, i.e. outdoor use.
 - Physical, chemical or mechanical abuse.
 - Damage from exposure to excessive heat (e.g. direct heat) due to non-use of hot pads or damage due to heat transmission (e.g. hobs) resulting from non-compliance with the Corian® installation procedures.
 - Improper installation site preparation or site maintenance.
 - Any other improper use of Corian® as stated in the Use & Care guidelines.
 - Acts of God.
 - Under the warranty DuPont will replace the cracked shape only once.
- The DuPont™ Corian® ten (10) year limited installed warranty coverage is ruled by the following set timing:
Year 1-3 included after installation, in case of DuPont responsibility: 100% of material and labour (at cost) will be covered.
Year 4-6 included after installation, in case of DuPont responsibility: 75% of material and 50% of labour (at cost) will be covered.
Year 7-9 included after installation, in case of DuPont responsibility: 50% of material and 25% of labour (at cost) will be covered.
Year 10 after installation, in case of DuPont responsibility: 25% of material and 0% of labour (at cost) will be covered.
- To receive coverage under the DuPont™ Corian® 10 Year Limited Installed warranty, proof of purchase in the form of an invoice needs to be submitted with the claim (no proof – no coverage).
- This limited warranty is transferable within the ten (10) year warranty period.**
- Any Corian® solid surface replacement or repair need to be first authorised in writing by DuPont or its duly appointed representative and is only to be executed by a duly authorised Corian® Quality Network Installer/Fabricator or Service Centre.
- This Limited Warranty applies only for installations done:
 - After April 1, 1995 in Europe, the Middle-East and Africa; and
 - Installations which have not been moved from their original place of installation; and
 - Installations fabricated/installed by a DuPont Authorised Fabricator/Installer or a Corian® Service Centre; and
- Installations which are maintained according to the use and care instructions in the Corian® Use & Care leaflet, handed over with the acceptance of this installation and attached to these warranty rules. A free of charge Corian® Use & Care Instructions/Guidelines leaflet may be obtained from your local Corian® supplier or by writing to DuPont™ Corian® solid surfaces (for address please refer to paragraph 13).
- If DuPont is unable to repair or replace, as applicable, a defective product which is covered by this Corian® warranty, DuPont shall, within a reasonable time after being notified of the defect, refund the purchase price of the Corian® material only, as per limitations in point 3, provided the customer hands over the Corian® material to DuPont or its appointed representative.
- Limitations of warranty:**
Neither DuPont nor any of its third party suppliers makes any other warranty of any kind, whether express or implied, with respect to Corian® solid surface. DuPont and its third party suppliers specifically disclaim the implied warranties of merchantability and fitness for a particular purpose other than interior or decorative surface use.
- Except as provided herein, DuPont shall not be liable in either tort or contract for any loss or direct, consequential or incidental damages arising out of the use or inability to use Corian® solid surfaces in interior or decorative surface application(s).
- Some countries preclude the disclaimers and limitations in the warranty terms from limiting the statutory rights of a consumer, so the above limitations or exclusions may not apply to you.
- Limitations of liability:**
Except for the obligations specifically set forth in this warranty statement, in no event shall DuPont™ Corian® be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether advised of the possibility of such damages.
- This ten (10) Year Limited Installed Warranty coverage for Corian® is your ultimate assurance of lasting quality. If we can answer any further questions regarding this warranty, please contact DuPont by writing to:
Du Pont de Nemours (Belgium) BVBA
Corian® Warranty Centre
Antoon Spinostraat 6
B-2800 Mechelen
Belgium
Fax: +32 24 03 53 44
E-mail: SurfacesWarranty@dupont.com
- Covering law and jurisdiction: This DuPont™ Corian® 10 year Limited Warranty is governed by Swiss law. The courts of the canton of Geneva, Switzerland shall have exclusive jurisdiction over any dispute arising out of or in connection with this limited warranty, including any question regarding its interpretation or its execution.