CORIAN® SOLID SURFACE CARE AND MAINTENANCE FOR FACILITY MANAGERS



Introduction

Corian® Solid Surface meets the demanding needs of today's commercial surfacing applications. As a solid, non-porous surface, Corian® Solid Surface can be maintained with minimum care to retain the original appearance. This document provides Corian® care and maintenance guidance for facilities managers for commercial installations. There is general guidance applicable to general routine care and also for specific fitted scenarios of hotel, food servery, laboratory and healthcare installations.

General Routine care of Corian® Solid Surface

For everyday cleaning, use soapy water or widely available surface cleaners. Remove excess detergent with a microfibre cloth, rinse the surface with warm water then wipe with a dry soft cloth (i.e. microfibre). If necessary, use a microfibre cloth and clean the surface with an ammonia based cleaner, then rinse with water and dry with a soft cloth. This procedure will remove most dirt and residue from installations made with Corian® Solid Surface and from Corian® sinks and basins.

Always clean using a circular motion, from the front to the back, then side to side, overlapping the circles until the entire area has been cleaned. Do not use abrasive or mild abrasive cleaners on high gloss or dark surfaces, instead use soapy water or a non-abrasive surface cleaner prior to rinsing with water and drying with a soft cloth. Be aware that limescale can build up if water is left to dry on the surface. To prevent this, it is important to wipe the surface completely dry with a soft cloth after spills and cleaning. Some colours of Corian® Solid Surface may require more frequent cleaning to maintain a uniform finish.

Like all materials, Corian® Solid Surface will develop slight abrasion marks in normal daily use. Dark, heavily pigmented colours will show scratches, dust and ordinary wear and tear more readily than lighter, textured colours and will require more attention than lighter colours.

All cleaners used should be rinsed thoroughly from the surface with water before drying the surface. Ensure with all cleaning to dry the rinsed surface with a soft cloth.

Although liquids cannot penetrate Corian®, it is best to wipe up spills as they occur.

Corian® Solid Surface can be finished matte/satin, semigloss and high gloss. Contact your Corian® Design sales expert if you are unsure of your finish. Typically, lighter colours have a matte/satin finish, while darker colours have a semi-gloss or gloss finish depending on the specified use. All sinks and basins are finished with a matte/satin finish. Some guidance may vary by finish type.

Preventing Damage

Some chemicals are not suitable for use on Corian® Solid Surface. Avoid surface contact with:

- Strong chlorinated solvents
- Chloroform
- Ketones
- Methylene chloride (paint removers)
- Very strong acids such as concentrated sulfuric and hydrochloric acids
- Acid drain cleaners should not be used

Surfaces exposed to these agents should be promptly flushed with water.

Corian® Care in Hotels

In the hotel environment Corian® is an excellent solution for many applications from reception desks and cladding, bar tops, table tops and in the guest rooms in vanity, counter and shower use. This guidance will help in general care of the material for these scenarios.

For general cleaning use soapy water or widely available surface cleaners. Remove excess detergent with a microfibre cloth, rinse the surface with warm water then wipe with a dry soft cloth (i.e. microfibre). If necessary, use a microfibre cloth and clean the surface with an ammonia based cleaner, then rinse with water and dry with a soft cloth.

Special care for Stubborn Stains in Hotels

For more stubborn stains the following guidance will help:

Vinegar, coffee, tea, lemon juice, vegetable juice, dyes, ketchup, lily pollen, saffron, light scratches, cigarette burns, shoe polish, ink, marker pen, iodine, mildew, blood, red wine, perfume, rust marks: use a damp microfibre cloth and a mild abrasive cleaning product (except on high gloss or dark surfaces). Rinse the area thoroughly with water to remove residues and dry with a soft cloth.

Grease, fat and oil residues: use a microfibre cloth and clean the stained area with soapy water or an ammonia based cleaner. Rinse several times with warm water and dry with a soft cloth.

Hard water scale, soap, minerals: apply a standard household limescale remover or vinegar and leave for 2-4 minutes or less depending on the cleaning product instructions. Using a clean microfibre cloth, rinse the area thoroughly with water. Dry the area using a clean, soft cloth.

Nail varnish spills: use a microfibre cloth and clean the stained area with a non-acetone based nail varnish remover. Rinse several times with warm water and dry with a soft cloth. If the stain is still visible, repeat the operation. If the stain persists, contact the Corian® Design Warranty Centre.

Deep Cleaning

As outlined by the U.S Centre for Disease control and Prevention for Disinfection of surfaces a solution of 1:100 of bleach (3-6% strength solution) to water is suitable for the wiping of surfaces. Rinse with water and dry with a soft cloth after cleaning. The following cleaning agents are also commonly used in cleaning products without effect on Corian®:

- Powdered abrasive cleaners with bleach are suitable for matte finishes, use on semi-gloss and gloss finishes may dull the finish
- Ammonia based cleaners
- Strong detergents
- Oxalic acid solutions
- Dilute hydrochloric acid solutions
- Dilute trisodium phosphate solutions

Care for Sinks, Basins, Baths and Shower areas

In addition to normal cleaning for a deeper clean fill the sink/basin with warm water and add 100ml of liquid household bleach (3-6% solution). Leave the solution in the sink for a few hours or overnight (max 16h). Empty the solution from the sink/basin and ensure to rinse the sink/basin and clean with a damp cloth. If necessary, clean again with a mild abrasive cleaning pad or sponge in combination with a mild abrasive cream. Make sure to rinse or clean with a damp cloth. Bleach can discolour worksurfaces made with Corian® Solid Surface and Corian® sinks and basins if not removed completely by rinsing with water.

For shower areas simply clean the surface with soapy water or any common detergent in order to remove most of the stains and dirt that may be deposited. Gel or creamy detergents are particularly recommended, together with a mild abrasive cleaning pad or sponge, ensuring that you rinse the treated area properly. By doing this, the original matt finish will be maintained. Some substances such as ink, cosmetics and dyes may release colour onto the surface after extended contact with the surface. All of these can easily be removed by following the above instructions for stubborn stains.

Attention

When filling baths ensure to run hot and cold water together to avoid thermal shock of the material.

Shower trays and bathtubs cannot be used autonomously by people with reduced motor skills, or with sensory and/or cognitive impairments (including children). For your personal safety, use them at a maximum water temperature of 40º C.

Avoid using shower trays and bathtubs in the vicinity or while using electrical appliances. Pay special attention when using shower trays and bathtubs alone or after taking medicines.

Corian® Care in Hospitality - Food & Drink Areas

Corian® is used throughout the world in food serveries, restaurants and fast food chains delivering the practicality of the aesthetically pleasing seamless surface combined with a hygienic non-porous material.

For general cleaning use soapy water or widely available surface cleaners. Remove excess detergent with a microfibre cloth, rinse the surface with warm water then wipe with a dry soft cloth (i.e. microfibre). If necessary, use a microfibre cloth and clean the surface with an ammonia based cleaner, then rinse with water and dry with a soft cloth.

Special care for Stubborn Stains in Food Service areas

For more stubborn stains the following guidance will help:

Vinegar, coffee, tea, lemon juice, vegetable juice, ketchup, saffron, light scratches, red wine, perfume, rust marks: use a damp microfibre cloth and a mild abrasive cleaning product (except on high gloss or dark surfaces). Rinse the area thoroughly with water to remove residues and dry with a soft cloth.

Grease, fat and oil residues: use a microfibre cloth and clean the stained area with soapy water or an ammonia based cleaner. Rinse several times with warm water and dry with a soft cloth.

Hard water scale, soap, minerals: apply a standard household limescale remover or vinegar and leave for 2-4 minutes or less depending on the cleaning product instructions. Using a clean microfibre cloth, rinse the area thoroughly with water. Dry the area using a clean, soft cloth.

Care for Sinks and Basins

In addition to normal cleaning for a deeper clean for sinks in preparation areas and basins in hand wash areas fill the sink/basin with warm water and add 100ml of liquid household bleach (3-6% solution). Leave the solution in the sink for a few hours or overnight (max 16h). Empty the solution from the sink/basin and ensure to rinse the sink/basin and clean with a damp cloth. If necessary, clean again with a mild abrasive cleaning pad or sponge in combination with a mild abrasive cream. Make sure to rinse or clean with a damp cloth. Bleach can discolour worksurfaces made with Corian® Solid Surface and Corian® sinks and basins if not removed completely by rinsing with water.

Preventing Heat Damage

While Corian® Solid Surface withstands heat better than most surface materials, do not place hot cookware directly on a Corian® surface. To avoid damage caused by excessive heat:

- Allow cookware to cool before placing it onto a Corian® surface or into a sink.
- Always use a trivet or hot pad under hot cookware.
- Always use a trivet with minimum 6mm legs under small electrical appliances such as fryers, cookers and other heat generating equipment.
- Do not use portable gas burners on the surface.

A Corian® Solid Surface can be scratched or gouged if used as a cutting or chopping surface for food preparation. Scratches can be repaired, but to avoid the problem, use of a cutting board is highly recommended. In addition, the Corian® Solid Surface will dull knife blades.

Corian® Care in Laboratories and Healthcare

Corian® Solid Surface can stand up to harsh chemicals without deteriorating and can resist stains from common lab agents. Functionally seamless surfaces prevent dirt becoming trapped which may harbour mould, mildew and bacteria thus protecting lab workers and the integrity of testing through reducing the risk of contamination.

For general cleaning use soapy water or widely available surface cleaners. Remove excess detergent with a microfibre cloth, rinse the surface with warm water then wipe with a dry soft cloth (i.e. microfibre). If necessary, use a microfibre cloth and clean the surface with an ammonia based cleaner, then rinse with water and dry with a soft cloth.

Special care for Stubborn Stains in Laboratories

For more stubborn stains the following guidance will help:

Vinegar, coffee, tea, lemon juice, vegetable juice, dyes, ketchup, lily pollen, saffron, light scratches, cigarette burns, shoe polish, ink, marker pen, iodine, mildew, blood, red wine, perfume, rust marks: use a damp microfibre cloth and a mild abrasive cleaning product (except on high gloss or dark surfaces). Rinse the area thoroughly with water to remove residues and dry with a soft cloth.

Grease, fat and oil residues: use a microfibre cloth and clean the stained area with soapy water or an ammonia based cleaner. Rinse several times with warm water and dry with a soft cloth.

Hard water scale, soap, minerals: apply a standard household limescale remover or vinegar and leave for 2-4 minutes or less depending on the cleaning product instructions. Using a clean microfibre cloth, rinse the area thoroughly with water. Dry the area using a clean, soft cloth.

Chemical Resistance

DuPont have tested a variety of chemical reagents used in laboratory settings. Please see *Corian® Solid Surface Technical Bulletin - Chemical Resistance* (K-27406) for guidance on specific chemicals: click here to access the document.

This above document provides the results of exposing the surface to the listed chemicals for 16 hours. Removing spills quickly will reduce the potential for staining or damage.

Care for Sinks and Basins in Laboratories

Always rinse the sink or basin thoroughly with water to ensure solutions do not remain as residue on the sink surface to react over time. Ensure to use the correct Personal Protection Equipment relating to the chemical being used in the laboratory.

In addition to normal cleaning for a deeper clean fill the sink/basin with warm water and add 100ml of liquid household bleach (3-6% solution). Leave the solution in the sink for a few hours or overnight (max 16h). Empty the solution from the sink/basin and ensure to rinse the sink/basin and clean with a damp cloth. If necessary, clean again with a mild abrasive cleaning pad or sponge in combination with a mild abrasive cream. Make sure to rinse or clean with a damp cloth. Bleach can discolour worksurfaces made with Corian® Solid Surface and Corian® sinks and basins if not removed completely by rinsing with water.

Corian® Care in Healthcare Settings

Corian® Solid Surface offers functional and aesthetic surfaces that meet the highest and most stringent standard requirements in the healthcare environment.

For general cleaning use soapy water or widely available surface cleaners. Remove excess detergent with a microfibre cloth, rinse the surface with warm water then wipe with a dry soft cloth (i.e. microfibre). If necessary, use a microfibre cloth and clean the surface with an ammonia based cleaner, then rinse with water and dry with a soft cloth.

Disinfecting Surfaces

The following guidance applies to using disinfectants on Corian® Solid Surface:

- Wear disposable gloves to clean and disinfect.
- Clean surfaces using soap and water, then use disinfectant. Cleaning with soap and water reduces the number of germs, dirt and impurities on the surface. Disinfecting kills germs on surfaces.
- Practice routine cleaning of frequently touched surfaces.
- More frequent cleaning and disinfection may be required based on level of use.
- Pay special attention to high touch surfaces.

High-touch surfaces include and are not limited to:

Tables, doorknobs, light switches, worktops, counters, handles, desks, phones, keyboards, toilets, taps, sinks, etc

For more information please see: *Corian® Solid Surface Technical Bulletin Cleaning and Disinfecting Recommendations*: click here to access the document.

As outlined by the U.S Centre for Disease control and Prevention for Disinfection of surfaces a solution of 1:100 of bleach (3-6% strength solution) to water is suitable for the wiping of surfaces. Rinse with water and dry with a soft cloth after cleaning.

The healthcare environment also involves the use of Environmental Surface Disinfectants and Sterilants/High Level Disinfectants. Additional details regarding these chemicals can be found in the following link for *Corian® Solid Surface Technical Bulletin Effects of Healthcare Chemical Disinfectants* (K-22257): click here to access the document.

Preventing Residue Build-Up

An ingredient common in disinfecting wipes, quaternary ammonium salts, does not harm Corian® Solid Surface. However, when the fluid from the wipes evaporates it leaves a residue of quaternary ammonium salts behind. Over time, these can build up and create a cloudy, blotchy appearance that is particularly noticeable on darker colours. This residue can be removed with the use of hot soapy water and drying the surface.

Alcohol based hand sanitisers can damage many materials. A leaking dispenser may cause a liquid puddle to collect underneath for periods greater than 16 hours, days, or more as the alcohol is stabilised to prevent evaporation. Similarly, some containers have poorly designed spouts/caps from which product leaks every time they are used, so that they stand constantly in the spilled material. If needed, a drip cup or a spill tray of a suitable material would address these situations.

Care for Sinks and Basins in Healthcare

In addition to normal cleaning and disinfection cleaning for a deeper clean fill the sink/basin with warm water and add 100ml of liquid household bleach (3-6% solution). Leave the solution in the sink for a few hours or overnight (max 16h). Empty the solution from the sink/basin and ensure to rinse the sink/basin and clean with a damp cloth. If necessary, clean again with a mild abrasive cleaning pad or sponge in combination with a mild abrasive cream. Make sure to rinse or clean with a damp cloth. Bleach can discolour worksurfaces made with Corian® Solid Surface and Corian® sinks and basins if not removed completely by rinsing with water.

Guaranteed Quality

With proper care, your Corian® Solid Surface commercial installation will stay looking like new. Installations made with Corian® Solid Surface carry a 10-Year Limited Commercial Warranty when fabrication and installation are carried out by a Corian® Quality Network Partner.

For complete details, go to our website (www.corian.uk/-warranty-) to review the warranty guidelines applicable for your product.

In the case of severe damage, please contact the Corian® Design Warranty Centre, which will put you in touch with a Corian® Quality Network Partner or Corian® Quality Network Service Centre for professional re-sanding or repairing of your installation. A Corian® Quality Network Service Centre is certified by the Corian® Design business to carry out expert repair and finishing work. Service Centres can also handle installation work and offer maintenance contracts to commercial customers, maintaining installations of Corian® Solid Surface in prime condition.

References

Corian® Solid Surface Technical Bulletin - Chemical Resistance (K-27406).

Corian® Solid Surface Technical Bulletin Cleaning and Disinfecting Recommendations.

Corian® Solid Surface Technical Bulletin Effects of Healthcare Chemical Disinfectants (K-22257).

Contact us:
Online: www.corian.uk/-contact-us-form-

Use this code to access helpful care for Corian® Solid Surface video content to guide facility managers.

PLEASE VISIT OUR WEB SITE WWW.CORIAN.UK FOR MORE INFORMATION ABOUT CORIAN® SOLID SURFACE.

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