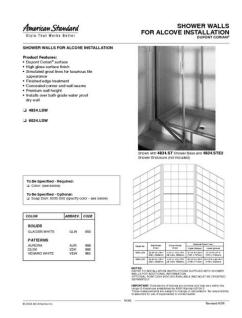
Dupont Corian Installers Manual



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Book Descriptions:

Dupont Corian Installers Manual

It allows manufacturers of ecologically sound products to demonstrate market leadership in the growing movement toward product transparency and health in the built environment and provides them an expanded point of entry into the world's most groundbreaking sustainable building projects. They have been shown on the Declare label to meet the requirements of the Living Building Challenge Red List Imperative. Fire performance results are specific to the standard tested. It is important to understand which standard is appropriate and the meaning of the results. Download the complete guide for care and prevention tips. This bulletin provides an overview of colour stability and other potential performance considerations. EPDs rely on Life Cycle Assessment LCA to provide information on a number of environmental impacts of products over their life cycle. These cutouts are for room temperature applications only. High temperature applications require specific fabrication techniques. Use the following procedures, to prevent countertop cracking, warp and seam seperation. This technical bulletin covers specific fabrication techniques to accommodate backlit installations. This document includes important safety instructions. Please give it to the end user after installation. If you own rights to any of the images, and wish to be credited or do not wish them to appear here, please contact us. Please upgrade your browser to improve your experience. Use of common household cleaners in conjunction with the appropriate EPAregistered disinfectant can help reduce the spread of these diseases. SARSCoV2 is the virus which causes the COVID19 disease. The CDC has recently provided a list of recommended cleaning procedures using environmental surface disinfectants recommended by the EPA against the SARSCoV2 virus. It is imperative to follow the manufacturer's usedilution and application directions to achieve proper disinfection.http://28jaya.com/userfiles/dcs-grill-user-manual.xml

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Generally, a damp microfiber cloth used with a standard household kitchen spray should remove most stains. Do avoid window cleaners, however, as they can leave a waxy buildup that dulls the surface. Always clean using a circular motion. This film will dull the countertop surface, making the finish appear blotchy and uneven. To prevent film buildup, it is very important to wipe the countertop completely dry immediately after spills and cleaning. Darker colors tend to require more attention than lighter colors. Over time, even with proper care, your countertop will acquire a sheen. Dark colors may show light scratches more readily. But rest assured — restoring your countertops to their original glory is an easy process. 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. Dealing with resistant strains If you live in a hard water area, and are experiencing problems with stain removal, apply "Viakal" gel over the area, leave for 24 minutes, then remove with a damp microfiber cloth. Using a second clean microfiber cloth, rinse the area thoroughly with water. Use a damp microfiber cloth and a mild abrasive cleaning product. Always use heat trivets or pads when placing hot objects on any surface. Always use a trivet under portable heatgenerating appliances, such as a toaster oven. Always use the correct size pan on the burner and place it centrally. An overhanging pan scorches surrounding surfaces. Use a chopping board instead. Dark, heavily pigmented colors will show scratches, dust and ordinary wear and tear more readily than lighter, textured colors. For nail varnish spills, nonacetone based remover can be used, and then flushed

with water. Undetected or prolonged exposure to chemicals may damage the surface. This type of damage is not covered by the DuPont 10 Year

Warranty.http://www.atelier-dasse.com/userfiles/dcs-hood-manual.xml

Most damage, including severe impact, heat or chemical damage, can usually be repaired on site to restore the original, smooth, hygienic solid surface integrity. However, in the event that a countertop does get lightly scratched, most repairs can be handled easily by the average homeowner. Typically, this is caused by letting hard water dry on the surface, leaving behind a film of minerals. To remove blotchy appearance or fine scratches, follow these simple steps. Check to see if blotchiness is gone. If not, repeat procedure, applying more pressure on the sponge or rag. You can remove minor cuts and scratches yourself by following these instructions. Use a light touch. Pressing too hard may actually leave deeper scratches. Rub over the scratch, using a straightline motion. Rinse pad periodically during this process, to remove any builtup residue. Be sure all of the scratch is removed. Check to see if the sanded area blends with rest of countertop. Please note that the sanded area may not perfectly match the rest of the countertop. If necessary, turn the pad over and repeat the process. Rub over large area to blend in sanding. For complete details, see warranty literature. But Corian has continued to evolve and deserves a second look because it can offer truly unique qualities and a new world of possibilities for achieving a much more creative kitchen design. Many consumers are confused about Corian and solidsurface countertops and materials. What are they made of. How do they compare to granite and guartz. Additionally, you will also find buying tips and warranty info for DuPont solidsurface countertops for kitchens and bathrooms. On This Page. What is Corian Made Of. Solidsurface is a manmade or engineered material guartz is too vs. Solidsurface and Corian countertops are made by blending acrylic polymers with other minerals and stonederived materials. This mix is poured into molds to make halfinchthick sheets.

The composition is consistent all the way through; in other words, it is solid and is exactly the same inside and out. This blend allows for some cool features and benefits not available with other types of countertops. Epoxy countertops are a similar countertop material. Corian by DuPont, which also makes Zodiac quartz counters is the big cat on the block and is increasingly popular. However, since DuPonts patent ran out, other solidsurface brands have jumped in with their own version of these countertops. Corian worktops are a durable kitchen countertop with specific advantages, but as you will find with all countertops, they come with some drawbacks too. See how Corian countertops compare to a granite or quartz countertop. While appealing to some, these colors really couldnt compare to the depth and natural beauty of stone. Luckily, those days are gone. You can still pick from a wide range of neutral beige and brown colors along with popular grays. Pure black and white Corian countertop colors like Glacier White and Deep Nocturne serve the modernminimalist aesthetic and work great for a more classic or transitional kitchen design as well. Some colors in the Corian lineup utilize up to 20% recycled materials for a greener alternative. And Corian colors get playful with solids in yellow and blue too, which few other materials can offer. Golds, purples, pinks, corals, and coppers fall inbetween. The evolution and addition of new patterns, though, is whats so enticing offering options for any bath or kitchen design theme. Grain shapes and sizes vary from sand to pebble and even to recycled glass. Striations, veins, mottled color shading, and movement are now seen throughout the collection for a far more natural look that is very appealing. Many pleasing patterns mimic marble, travertine, and granite quite well. Custom colors are possible too if you can believe it. Send Corian a sample color from a fabric or paint sample, and they will match it.

Some are subtle benefits while others are more dramatic and offer more desirable elements of design and function. From a simple eased or bullnose edge to a fancy Spanish style; there are around 20 different styles offered. A thick edge profile to simulate a huge block countertop, or to create the more elaborate designs is easily accomplished with a laminated edge. In most cases, the seams of a laminated edge will be invisible as well. You can typically see these seams when it comes

to granite surfaces. Backsplashes can be installed traditionally just like with granite, marble or quartz countertops. You can use stone, glass or metal or ceramic tiles configured in any design that suits your fancy. You may even choose to install a full backsplash using the same Corian color as you used on the countertops. Note that the wall seam can be eliminated by molding a Corian backsplash into the countertop. Corian sinks come in myriad single and double bowl configurations, colors, and sizes. They have your lifestyle demands covered for kitchen and bathroom countertops. Sinks can be installed in all the usual ways such as topmounted, undermounted, flush, beveled, or molded right into the countertop for a seamless design. Drainboards for sinks are commonly integrated right into the countertop to help keep the area tidy. One thing to consider with an integrated sink is that a sink gets a lot of use and abuse and if it gets stained or worn you likely will have to replace the entire countertop versus just the sink. Integrated sinks need a bit more care and attention as well. For instance, Corian states that boiling water should not be poured in the sink as it could warp it. But, theres no denying that an integrated sink is very stylish. Seams are the bane of all other countertop materials. Seams may still be somewhat visible on the more elaborate patterns with a less repetitive or consistent design.

Considering theres little to like about visible seams, Corian surfaces are the clear winner in this category Shapes, Lights, and Phone Charging Features Corian can be molded into essentially any shape or curve via thermoforming allowing for almost limitless design possibilities. Thats a great characteristic if you want an unusual shape or your space is an unconventional shape. Concrete countertops and glass countertops can also be formed into complex shapes or molds, but Corian is king and definitely the most versatile when it comes to this feature. This pliability is what also allows for integrated sinks, seamless backsplashes, and inlays, which no other material offers. Illumination lights installed to glow through the surface is also possible with Corian kitchen countertops. And get this, you can now, charge your phone with Corians new charging surface. An adapter on your phone or tablet allows it to charge simply by setting it on the countertop surface. No more wrestling with cords and finding available outlets. Corian isnt just for the kitchen. Its possibly the most versatile and adaptable material also used for bathroom countertops, tub and shower surrounds, bar tops, wall cladding, furniture, boats and RVs. Corian Countertop Costs Corian countertops prices are generally more affordable than granite or quartz countertops. The material itself tends to be less expensive, its not prone to cracking, and is generally easier to fabricate with less waste; all of which translates into lower prices for the average, basic install. However, when comparing countertop materials, dont be surprised if the Corian price for your particular kitchen countertop design is similar to the quotes you get for a guartz or granite countertop installation.

The final Corian countertop costs can vary tremendously depending on the color chosen, the complexity of the kitchen and countertop configuration, corners, bar tops, intricacy of design details like edges, sink mount, drain boards and inlays, special shapes or molding, or illumination of the countertop surface which is possible with Corian. Costs can also vary from city to city, region to region, and even seasonally. So, the above gives you some idea of what you can expect to come close to spending. Generally, you will pay 10% to 20% less than you would for granite or quartz countertops but getting detailed bids from several contractors is necessary to accurately determine the cost of your installation. When comparing solidsurface brands, most will fall into the same price range, although, Corian is usually the most expensive of the solidsurface brands. But for a good reason. Corian has the best product with decades of development behind it. And for additional material comparison, laminate countertops are still far cheaper than Corian or any solidsurface countertop. Soapy water is fine; although, you should note that soapy water can end up leaving a dull film on the countertop over time. You can also use abrasive cleaners, scouring pads, and other abrasive scrub pads. Common kitchen and household countertop cleaners are safe to use when used normally; meaning when you spray the cleaner on and then wipe it off. Prolonged exposure to many

conventional household products such as bleach can discolor the surface of your Corian surface countertops. Also, window cleaners will leave a waxy film and should not be used when cleaning the counter. Keep in mind that even though solidsurface countertops are very resistant to chemical damage, it is best to stick with pH neutral cleaners like granite cleaners, or those made for solidsurface. Corian is tough, but not impervious to stains or chemical damage. Highheat and hot pans are like kryptonite to Corian.

Unlike granite countertops or quartz, Corian is not very resistant to heat, and you cannot put hot pots or pans directly on the surface without risking a nasty scorch mark. Placing pots and pans directly on your kitchen countertop, hot or not, is generally not a good idea with any countertop material. Its rare but possible. However, Corian surface kitchen countertops cannot withstand heat for long and will essentially melt or burn if pots and pans that are too hot are set directly on the surface, so always use a trivet. A stain on a solidsurface countertop is rare, but no surface is 100% stainproof. Most commonly, Corian solidsurface stains are actually spots resulting from chemical damage. Again, be a little picky about the cleaning products you use on your Corian countertops, or it may prove to be disastrous. All cleaning products recommended here are pH neutral, safe and effective and ideal for use on Corian countertops as well as natural stone and guartz solidsurface countertops. Scratches are another common occurrence because solidsurface countertops are relatively soft, which helps keep you from breaking dropped dishes but makes it easy to scratch from almost anything. Although, scratches can be sanded out in most cases. To avoid scratches, always use a cutting board and trivet and refrain from sliding anything across the surface. Dents arent as common as scratches, however, but they definitely do sometimes happen if a heavy object is dropped onto the surface. When comparing Corian versus granite countertops or Silestone, Corian falls short in the durability department. Granite and quartz can take the heat and wont scratch or dent. Granite can stain, but these stains can be prevented and removed. Quartz can be chemically damaged, although it is rare, but is often permanent when it does happen. So, you will have to weigh all the pros and cons to get a better idea.

The good news is that most damage to Corian countertops can be repaired while damage to quartz often cannot be repaired. This countertop material is exactly the same all the way through the slab. If you chip or scratch ceramic or laminate, you will see that the inside color is different. This is not the case with DuPont Corian countertops. You will find that the material is the same color and texture all the way through. What this means is that Corian countertops can always be resurfaced to eliminate scratches, scorches, and stains. Small dents can often be repaired as well. Minor Corian repair is a simple DIY job often requiring nothing more than vigorous abrasive scrubbing or sanding. Sanding out a scratch or blemish is a handy feature of Corian that is certainly beneficial. The only drawback is that in some cases, typically with deeper scratches, you may end up with a depression that may be visible and noticeable to the touch. Still, its nice to know that a simple procedure can fix a scratch and resurfacing is always an option since the color is uniform through the entire thickness of Corian countertops and other solidsurface brands. Corian offers a limited 10year warranty. This sounds great except it only covers product defects which would be a very rare occurrence. And this must be determined by DuPont Corian. Also, it does not cover staining or chemical damage, heat damage, scratches, dents or outdoor installations UV rays can yellow or discolor Corian. Anything that could happen during normal use is typically not covered by the warranty. An example in the warranty states that if you happen to let a pan overhang the cooktop while heating, the radiant heat from the pan could cause a crack in the countertop. Well, this is not covered because it is considered negligence. Same deal with leaving bleach on the surface too long.

Diluted bleach can be used to clean Corian countertops, but it is not the best choice considering that if you fail to rinse the countertops well, or you accidentally spill a caustic chemical directly on the surface, it could discolor Corian. The idea here is that the product is what it is. It is a solidsurface

countertop that is resistant to damage but certainly can be damaged, so they offer no coverage for normal damages. Scratches, dents, and burns are not due to defects in the product. No countertop material is completely impervious to damage. If you take the time to learn how to properly care for Corian, use common sense, and take reasonable measures to protect the surface i.e., using cutting boards, setting hot pans on trivets, and using only pH neutral cleaners, then youll easily avoid some of these more common problems. The care and maintenance of a Corian countertop is essentially the same as granite or quartz countertops. Corian kitchen countertops may not be the most popular luxury choice, but they shouldnt be dismissed either. Corian offers a few very distinct advantages and features along with an upgraded and sophisticated style palette to provide plenty of design possibilities for your home. So, you must find a certified contractor. Luckily, there are many dealers scattered all over the US and DuPont will help you find a Corian installer via their database. Or you can go through Home Depot which carries Corian countertops, and you can arrange a certified installation from there as well. HOME Follow us report this ad. CountertopSpecialty.com is a participant in the Amazon Services LLC Associates Program, an affiliate advertising program designed to provide a means for sites to earn from qualifying purchases and advertising fees by advertising and linking to Amazon.com. report this ad x x. The DuPont Oval Logo, Corian are registered trademarks or trademarks of E. I. DuPont de Nemours and Company or its affiliates.

It is important to note that the techniques listed have been designed to optimize the performance of DuPont TM Corian in line with its chemical formulation and exclusive performance properties. It is impossible to cover all fabrication techniques in this manual. However, we have taken most of the basic elements of fabrication that comply with our DuPont warranty program. These techniques are intended for use on DuPont TM Corian only. DuPont does not recommend these techniques for any other products. DuPont shall not be responsible for the use or application of these thecniques on any other surface and or product. HOW TO USE THIS MANUAL The manual is organized into tabbed chapters, each chapter covering a major element of fabricating DuPont TM Corian. The tabbed chapters are structured in operational order where possible i.e., start to finish and should be read in such a way. Within each chapter are clearly defined sections that include all major components in each major chapter. For easy reference, a comprehensive index is included at the front. The safety culture within DuPont goes back to the earliest days of the company 1802 when DuPont manufactured gunpowder. Safety has remained a part of the DuPont culture. We in the Corian business follow the same level of safety awareness. Many different tools are used to manufacture, fabricate and install Corian. Following these simple safety rules as well as appropriate OSHA and CCOHS regulations, will help to prevent an accident. Safety is a key part of our business success. 1. Learn the tool s application and limitations as well as the specific hazards particular to it. Keep guards in place and in working order. Ground all tools. If a tool is equipped with threeprong plug, it should be plugged into a threehole electrical socket. If an adapter is used to accommodate a twoprong socket, the adapter lug must be attached to a known ground. Never remove the third prong. Remove adjusting keys and wrenches.

Form habit of checking to see that keys and adjusting wrenches are removed from the tool before turning to on. Keep work area clean. Cluttered areas and benches invite accidents. Don t use in dangerous environment. Don t use electric power tools in damp or wet locations or expose them to rain. Keep area clean, dry, well ventilated and well lit. Keep children and visitors away. All children and visitors should be kept at a safe distance from the work area. Make workshop childproof with padlocks, master switches or by removing starter keys. Don t force tools. A tool will do the job better and be safer at the rate for which it was designed. Use the right tools. Don t force a tool or attachment to do a job for which it was not designed. Wear proper apparel. No loose clothing, gloves, neckties, ring bracelets or other jewelry to get caught in moving parts. Always use safety glasses or approved eye protection. Also use face or dust mask if cutting operations are dusty. Prescription eyeglasses only have impactresistant lenses; they are not safety glasses. Secure work.

Use clamps or a vice to hold work when practical. It is safer than using your hand and frees both hands to operate the tool. Don t overreach. Keep proper footing and balance at all times. 2. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Disconnect tools before servicing and when changing accessories such as blades, bits, cutters, etc. Use recommended accessories. Consult the owner s manual for recommended accessories. The use of improper accessories may cause hazards. Avoid accidental starting. Make sure the switch is in off position before plugging in power cord. Never stand on tool. Serious injury could occur if the tool is tipped or if the cutting tool is accidentally touched. Check damaged parts.

Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced. Direction of feed. Only feed work into a blade or cutter against the direction of rotation of the blade or cutter. Never leave tool running unattended. Turn power off. Don't leave tool until it comes to a complete stop. Drugs, alcohol, medication. Do not operate a tool while under influence of drugs, alcohol or any medication. Make sure the tool is disconnected from power supply while motor is being mounted, connected or reconnected. AND ESPECIALLY WHEN HANDLING CORIAN AND ITS ACCESSORIES When carrying Corian sheets, use two people, don't flex sheets, wear heavyduty gloves and, if appropriate, use lifting devices. Don t stack boxed products too high or in an unsafe manner. Keep denatured alcohol, adhesives and any other toxic or flammable materials in a safe, ventilated place. 3 The list below highlights mandatory procedures. Items added since the April 2003 issue of CTDC117 are shown bold italicized. For complete details of these procedures, refer to the Corian Fabrication Manual C956H71343, 1. Seams Reinforce all shop and field seams. This Corian reinforcement also serves as the seam support. Use only approved adhesives. Do not rigidly adhere Corian to other solid surface products. Use only silicone to adhere Corian to any material other than Corian or Zodiag. 2. Cutouts Use only routers. Remove all nicks, tool marks, etc. Use 150grit or finer sandpaper. Support within 3 76 mm, but no closer than 1 25 mm, from the edge of the cutout. Provide only perimeter support top edges of cabinets with or without buildup strips.

Use only dabs of flexible adhesive no less than 12 305 mm apart to fasten tops of Corian to the perimeter support. Never install mechanical fasteners screws, nails, etc. into Corian. Brass inserts are the only approved fastener. Leave a min. 12 x 12 piece of color match material from each counter on the job for future repairs screwed to the inside of the sink base cabinet. Apply 3M brand aluminum tape 3M stock number 4253UAL35175 around cooktop cutouts. The tape must cover all Corian surfaces under the entire flange, including the vertical edges of the cutout. Offset seams in Corian edge buildup strips minimum 1 past end of the inside corner radius. Do not install Corian over underlayment or over old countertops. Integral dust covers may be left in place if removal is unacceptable to the customer. For additional requirements with hot and cold food service and buffet counters, follow all procedures described in CTDC125 or Fabrication Manual Section 20 C956 H71343. The information contained in this Technical Bulletin is based upon technical data and information which DuPont believes to be reliable at the time of this bulletin s publication. DuPont shall assume no responsibility or liability for any particular fabrication or installation of the product, nor does it guarantee or warranty this bulletin and the information contained therein. DuPont reserves the right to modify or change this bulletin at any time and at it s sole discretion. Corian is a DuPont registered trademark. Only DuPont makes Corian. Copyright 2006 DuPont TM Corian. Printed in U.S.A. Helpful Hints The key element in choosing which router is most suitable for varying tasks is the quality of cut and the overall wear and tear on valuable machinery. Corian is made of natural minerals and acrylic resin and is, therefore, very tough on blades and motors. The listed recommendations above are based on maximizing maintenance on routers in daytoday

operations.

Polycrystalline diamond bits may be suitable in certain applications utilizing CNC machinery. Make sure they are kept sharp, clean and stored in a way that protects them from damage. Regularly check bit bearings for any slackness or play. Lubricate bearings regularly SAWS AND BLADES Any type of circular saw may be used for ripping and sizing Corian. Blades should be sharpened regularly with a 400 to 600grit grinding wheel. Blades should have 6 teeth per 1 25 mm diameter. Heavyduty, handheld circular saws may be used to bring the tool to the material. Use tungsten carbide blade with correct blade configuration, referring to Table 1.3.A. The correct tools are essential for cutting Corian to ensure that no chipping occurs and that all cuts are neat and clean. Any small cuts or fractures in a Corian cut may lead to cracking when the sheet is subject to stresses. As with glass, any nicks or fractures create potential weaknesses in the sheet. The best way to eliminate stress from saw cuts is to trim all sawn edges with a shaper or router with a shape straight cutting tool. 1.4 SANDING AND FINISHING In daytoday fabrication, you need to be well equipped and have the following orbital sander palm sander random orbital sander or varying sizes stationary belt sander portable belt sander Microfinishing film abrasives are used for day to day finishing. Opencoat silicone carbide sandpaper is recommended for quick sizing. Other abrasive systems are available that will work well on Corian surfaces. Using sanding systems with vacuum dust extraction will speed up work, lessen clean up and save wear and tear on the sander. Helpful Hints Many high volumn shops use air sanders as they provide greater tool longevity. Use machines for which spare parts and service are readily available, as sanders are subject to extreme wear and tear while working Corian. The fine wax buildup will help to eliminate sticking from Joint Adhesive.