ĒOS CU™
Preventive | Biocidal Surfaces™

Fabrication Manual

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Welcome

This document will walk you through the process of becoming an EOS^{CU} Preventive|Biocidal Surface™ Certified Fabricator.

Step 1: Review Manual
Read through all pages below making sure to initial at the end of each section.

Step 2: Pass the Fabrication Exam

Step 3: Sign the Fabricator Acknowledgement

Step 4: Fabrication Coaching Call

Upon completion of all steps, you will be issued a EOS^{CU} course completion certificate on the final page.

Introduction to EOS^{CU}

EOS Surfaces LLC produces an educational blog. Below you will see many hyperlinks that expound on key terms. Feel free to reference these blog posts for more detailed information. We also encourage you to subscribe to our weekly email alerts for future blog posts.

What is EOS^{CU}

EOS^{CU} Preventive|Biocidal Surface™ is the only surfacing material EPA Registered for Public Health Claims. Proven in both the lab and in the clinical setting, EOS^{CU} actively kills greater than 99.9% of all harmful bacteria*, including antibiotic resistant strains like the superbug MRSA. Clients who specify this product not only expect an aesthetically pleasing surface, but have also made patient safety and risk mitigation through infection prevention a top priority. They have specified the only surface available that continuously kills germs that land on surfaces – these germs can live for days, weeks, months, and in some cases, even years on any other surface. Designers, physicians, architects, and others who specify EOS^{CU} on a project are relying on this self-sanitizing surface to keep their clients safer. No other surfacing option on the market can make these claims, backed by complex and robust testing protocols performed by the EPA. Additional testing has proven as much as an 83% reduction in incidents of infection and most recently, it has also been proven that SARS-CoV2 is killed in 4 hours or less on copper, the active biocidal ingredient in EOS^{CU}.

It is of utmost importance that you install not only a beautiful looking surface, but also one that performs at the germ fighting levels tested and registered by the EPA. The term efficacy will be used throughout this manual. ***As a fabricator of EOS^{CU}, there are steps in the fabrication process that, if NOT properly followed, could lead to the material losing efficacy – or not continuously killing the bacteria landing on the surface in the required and guaranteed timelines.*** Following the steps in this manual with absolute accuracy is mandatory in order to meet your clients' expectations for a self-sanitizing surface.

Why Specify EOS^{CU}

Healthcare facilities are facing a growing challenge. Patients come into contact with bacteria while under their care that led to preventable infections. Yes, hospitals are making people sicker at a rate of 1 in 31 according to the CDC. The US government (Center for Medicare & Medicaid Services) has even established penalties - reducing as much as 5% of total Medicaid and Medicare reimbursements for the worst hospitals.

This can equate to millions for those systems that struggle to eliminate the infections their patients acquire while admitted in their facilities. EOS^{CU} harnesses the natural Preventive|Biocidal™ power of copper to combat this growing problem. The material lowers the level of harmful bacteria surrounding patients and thus the risk of transmission from the surface to the patient – it lowers the probability that patients and healthcare workers will contract a preventable infection. By fabricating and installing EOS^{CU} properly, you are helping keep your clients off the bad list.

Key Scientific Findings

- 78% reduction in Multidrug Resistant Organism infections with the use of EOS^{CU} and Cupron medical textiles
  - Sifri AJIC 2016 Study
- 83% reduction in C. diff infections with the use of EOS^{CU} and Cupron medical textiles
  - Sifri AJIC 2016 Study
- New construction and stricter staff processes related to seeking an elevated patient safety certification were not factors that lead to the above lower infection rates.
  – Burke IJIC 2018 Study
- 81% reduction in bioburden (germ count) by hour 24 on over bed table tops with EOS^{CU} vs standard laminate surfacing.
  – Coppin AJIC 2017 Study
- EOS^{CU} outperformed 15 other surfaces, with no detectible SARS-CoV-2 (COVID-19) at the first sample time of 4 hours. Stainless steel and solid surfaces performed the poorest by far, with detectible, infectious viral recovery at 24 hours.
  - Ronca HERD 2021 Study

Fabricator Qualification

It should be appreciated that EOS^{CU}, while similar in most regards to standard Solid Surface, is a special healthcare environment product with specific Fabrication and Finishing standards. Only vetted professional Solid Surface Fabricators will be allowed certification in the Fabrication and Installation of EOS^{CU} products.

The following qualifications are required to become Certified in the Fabrication and Installation of EOS^{CU}:

- Five Years (5) experience in Medical Facility Solid Surface Fabrication.
- Equivalent experience in Commercial Environment Fabrication may be accepted on a case-by-case basis.
- Factory or Industry level training, such as ISFA, will be considered in conjunction with other industry bona fides.

EOS Surfaces LLC will certify, at its sole discretion, Fabricators or Fabrication Companies that demonstrate appropriate bona fides and follow all EOS^{CU} guidelines. Furthermore, EOS Surfaces LLC reserves the right to revoke certification to any Fabricator or Fabrication Company that does not follow EOS Surfaces standards for Fabrication and Finishing of the EOS^{CU} product or fails to show applicable EOS^{CU} Fabrication or Installation for a period over one (1) calendar year.

Safety Notice

- Follow all manufacturers established guidelines and safety rules for all equipment in use. (Power Tools and Equipment, etc.)
- Follow all chemical manufacturers established use, safety and storage guidelines. (Adhesives, caulking, alcohol, etc.)
- Follow all established internal Fabrication Company rules, regulations and procedures for safety and Standard Operating Procedures (SOP's).
- Always wear applicable personal protective equipment and follow the instructions and guidelines established by the manufacturer of said equipment.
- It is recommended that a NIOSH N-95 rated dust protective mask, or higher, be utilized if airborne dust is present during fabrication or finishing of EOS^{CU}.
- It is recommended that HEPA filtration dust collection vacuum equipment is utilized during fabrication and finishing of EOS^{CU}.
- Individuals with sensitivity to copper should wear protective clothing and gloves, as necessary, to protect themselves from copper dust/residue present during fabrication and finishing of EOS^{CU}.

Tooling and Equipment Information

The Fabrication and Installation of EOS^{CU} utilizes the same tooling and techniques common to the Solid Surface Fabrication Industry. Tooling/ Branding choices are dictated by Fabricator skill level, experience and/or Company Directives, and, by nature, are broad spectrum and outside of the control of EOS Surfaces LLC. Utilizing the appropriate tooling, techniques and procedures that are common to the Solid Surface Industry will allow the Fabricator a high degree of success working with EOS^{CU}.

General Tooling and Equipment used for EOS^{CU} Fabrication:

- Various Power Tools, such as Routers and Saws. Specialty Power Tools for the Solid Surface Industry are manufactured by several equipment companies.
- Various Carbide router tooling bits which include specialized bits for Bowl Integration, Coved Backsplash application and specialty Edge Profiles, etc.
- Carbide tipped Circular Saw blades with Solid Surface Specific profiles and angles.
- Adhesive applicators of various styles and types.
- Various Straight Edges, Radius Templates, Sink Templates, etc. available from several manufacturers.
- Various Clamps and Clamping Methods available from several manufacturers.
- Sanding Equipment and Abrasives available from various manufacturers. (The only MANDATED piece of Abrasive required by EOS Surfaces is the 360 Grit Mirka Abralon pad to be utilized in a WET application).
- Denatured Alcohol
- Solid Surface Adhesives (MMA).

The Tactics, Techniques and Procedures used by the Experienced Fabricator will be the determining factor for a successful completion of an EOS^{CU} project. Tooling and Equipment should be designed for use in the Solid Surface Industry and to not cause undue stress to the polymeric makeup of the EOS^{CU} product. These tools should be appropriately maintained and/or sharpened accordingly. All 90-degree angles, even at the minutiae level, (such as saw kerf marks or router “chatter”) must be removed by mechanical or abrasive means prior to installation of the EOS^{CU} product. As with any Solid Surface Manufacturer, EOS Surfaces LLC does not provide a warranty for Fabrication or Installation errors.

The use of CNC machines is authorized for the fabrication of EOS^{CU}. Tooling, Feed Speeds, RPM and Cut Direction are to be determined by the Experienced CNC Operator or Programmer. As all CNC Machines and Tooling have different attributes and limitations it is highly advisable to test the machine and tooling on a scrap piece of EOS^{CU} and adjust the machine/program accordingly.

Material Description

(SHEET GOODS)

LENGTH:	120 inches nominal (3048 MM)
WIDTH:	30 inches nominal (762MM)
THICKNESS:	.375 [±.02] inches (9.5MM [±.5])
WEIGHT:	110 Pounds ± (45.4 KG)
COLORS:	BEIGE (BEI) GRAY (GRY)

Lot Numbers Information

Lot number information on EOS^{CU} is very important. Not only is this information necessary to assure that LOT integrity is maintained during fabrication, these LOT Numbers are required for reporting purposes for WARRANTIES and EPA records keeping. Each piece of EOS^{CU} will have LOT information stamped or written on the item. In the case of SHEET GOODS this LOT number will be stamped multiple times onto the bottom of the sheet. Sinks and Vanities will be marked on the underside with a label. ***It is a best practice to transfer LOT numbers to the underside of substrate.***

BEIBJ0500002-001
GRYBJ0500002-001

A break-down of the above listed EXAMPLE LOT information is as follows:

BEI/GRY is the color code for the above LOT information. BEIGE and GRAY respectively.

BJ is a YEAR CODE

050 is the DATE on the JULIAN CALENDAR

0002 is the iteration code. This is a very important number as it denotes which RUN the product was poured in. Generally, there will be no more than four (4) runs in a single day, but this may change.

Different RUNS on the same day are not considered MATCHING to other RUNS.

-001 is a Product CODE. 001 is the PC for SHEET GOODS.

Solid Surface Seaming Adhesive

EOS^{CU} utilizes common Solid Surface adhesives, 10:1 Methyl Methacrylate (MMA), for the purposes of seams, edge build-ups, Solid Surface bowl adhesion and coved backsplashes, etc. Color matching adhesives are available from several sources. It is the responsibility of the Fabricator to utilize the appropriate adhesives and adhesion techniques to create a strong, inconspicuous seam, build-up, bowl emplacement, coved backsplash, etc.

The Following Adhesives are recommended for use with EOS^{CU}

Beige EOS^{CU}

- Slate #3060 by Integra Adhesives
- Teak by Glue Warehouse

Grey EOS^{CU}

- Seashell #3035 by Integra Adhesives
- Sand Dollar by Glue Warehouse

Caulking

The use of silicone caulking on the face of EOS^{CU} is NOT authorized. For the purposes of caulking for loose backsplash, wall to countertop, under-mount bowls, etc. a Color Matched Urethane Acrylic Caulking is the only authorized alternative.

The Following Caulking products are recommended for use with EOS^{CU}

DUO-SIL by SIROFLEX

http://www.siroflexinc.com/duo-sil.php

Beige EOS^{CU}

- Timber Stone #2313
- Terra Bronze #2219
- American Walnut #2223

Grey EOS^{CU}

- Charcoal Grey #2501
- Royal Grey #2504

Substrate Requirements

EOS^{CU} requires the use of a fully supporting substrate or “underlay”. At no point shall EOS^{CU} be installed in a horizontal manner without the use of this fully supporting substrate. Failure to use a full substrate, or the use of an unapproved substrate material, will void the EOS^{CU} product warranty.

The following materials are approved substrates for EOS^{CU}

Moisture Resistant Medium Density Fiberboard- MR MDF

Marine Grade Plywood

Medium Density Overlay- MDO

Substrate shall be no less than $^{23}/_{32}$nds of an inch thick (18.26mm).

No substrate shall be exposed below bottom of edge details; sand excess substrate accordingly.

SUBSTRATES MUST BE ADHERED TO THE COUNTERTOP WITH SMALL DABS OF FLEXIBLE ADHESIVE SUCH AS SILICONE OR POLYURETHANE.

A $^{1}/_{8}$th inch (3.175mm) Expansion/Contraction differential should be built into the substrate. $^{1}/_{16}$th inch (1.5875mm) in all directions

NOTE: SILICONE MUST NOT COME INTO CONTACT WITH THE FACE OF THE EOS^{CU} PRODUCT.

Seams

Seaming is a technical fabrication skill. Steps followed by the fabricator will be the determining factor if a seam is of appropriate quality, strength and end user aesthetic satisfaction. Therefore, seam location, quality and visibility are the sole responsibility of the fabrication professional. This also pertains to all similar seaming activities such as edge build-up, bowl application or coved backsplashes, etc. EOS Surfaces does not warranty seams, edge build-up, bowl application or coved backsplashes, etc. for aesthetic appearance, location, integrity or otherwise.

The following are general seaming guidelines for EOS^{CU} Surfaces:

DO	**DO NOT**
• Assure all LOT numbers match.	• Seam unlike LOT numbers.
• Clean all edges with a router prior to seaming. • Assure no router "chatter" is present.	• Attempt to seam saw-cut materials. Saw kerf marks need to be routed clean prior to seaming.
• "Dry Fit" area to be seamed to check for appropriate, gap-free fitment and assure desired color match.	• Attempt to seam an area that does not appropriately "Dry Fit" together or match.
• Clean area thoroughly with denatured alcohol and a white cloth or paper towel.	• Attempt to seam an area without proper cleaning.
• Assure the recommended adhesive is chosen. • Follow adhesive manufacturer's directions for appropriate use.	• Use inappropriate seaming adhesives.
• Fill the seam area completely with adhesive. • Pull seam together with suitable clamps, suction devices, or mechanical means. • Check that seam is level and that the adhesive is evenly "squeezed- out". • Allow adhesive to fully cure before attempting machining or sanding.	• Apply too much pressure to seam area that will cause excessive adhesive "squeeze-out" as this will create a "starved" seam that may fail.
• Use appropriate Seam Support Plate technique.	• Use unlike products as Seam Support Plates.

Solid Surface Bowl / Sink Application

There are various methods to emplace a Solid Surface Bowl or Sink. The end goal is to have the Bowl/Sink integrated in such a manner as to have as inconspicuous of a seam as possible. Any style/brand Solid Surface Bowl/Sink can be applied to EOS^{CU} with Solid Surface Seam Adhesive. Color Matching of EOS^{CU} cannot be guaranteed from LOT to LOT between the Sheet and the Sink/Bowl. End users should be educated by the Fabricator/Installer as to the differences in Coloration and Particulate Distribution between LOT Numbers.

General Solid Surface Bowl/Sink Application Guidelines:

- Assure Bowl/Sink Type and Color.
- Measure and Mark location of Bowl/Sink accordingly.
- “Dry Fit” Bowl/Sink.
- Use Stop Blocks or other means to maintain Bowl/Sink alignment.
- Clean off all markings on Sheet and Sink/Bowl with denatured alcohol or light sanding. Markings not removed may be visible through adhesive, especially on light colored Bowl/Sinks.
- Use a generous amount of Solid Surface Adhesive that is matched to Bowl/Sink color.
- Emplace Bowl/Sink in desired location.
- Use desired method to apply ample pressure to Bowl/Sink.
- Assure even Adhesive “Squeeze Out”.
- Upon Adhesive curing, Route Bowl/Sink opening with desired Cut-Out and Profile Bits.
- Finish Sand According to EOS^{CU} Finish Sanding Requirements.

Undermount or “Drop In” Bowl/Sinks of other materials, such as Stainless Steel, may also be emplaced on EOS^{CU}. Cut-Outs should have a minimum $^{1}/_{8}^{th}$ inch (3.175mm) Expansion Gap and a minimum $^{1}/_{4}$ inch (6.35mm) Corner Radius. All edges must be sanded or machined smooth and “eased” with a minimum $^{1}/_{16}^{th}$ inch (1.59mm) round over profile. Exposed Caulking must adhere to the EOS^{CU} standards listed within this manual.

Seam Support Plates

All EOS^{CU} Seams require SEAM SUPPORT PLATES. This plate does not have to be the same LOT number or color of the top. The Solid Surface adhesive color match is also not necessary. Assure SEAM SUPPORT PLATES are adhered to the chosen EDGE detail style for maximum strength.

As EOS^{CU} also requires a full substrate or "underlay" the following techniques may be used to appropriately apply SEAM SUPPORT PLATES in conjunction with FULL SUBSTRATE:

- A single 4-inch-wide strip (101.6mm) can be adhered to provide support to the top seam. This plate will be centered on the seam and will run from the Build-Up the full width of the top.

- The Substrate will require a DADO to allow correct fitment. A $^{1}/_{8}^{th}$ inch gap (3.175mm) should be left for expansion of both top and substrate.

- A SPLIT SUBSTRATE is also allowable with a RABBET cut for plate placement. Allow $^{1}/_{8}^{th}$ inch gap for expansion (3.175mm).

- Two 4-inch-wides strips (101.6mm), applied one atop the other, are also allowable. This technique will allow for an easier application of the substrate as this substrate will not require DADO or RABBET cuts. Allow $^{1}/_{8}^{th}$ inch gap (3.175mm) between substrate and Seam Support Plate.

- The application of two 2-inch pieces (50.8mm) stacked in the manner of Edge Build-up, applied to either side of the seam area, is especially helpful in a "Field Seam" situation as the result is a similar Seam Support Plate to the two 4-inch-wide (101.6mm) plates listed above. This type of SEAM SUPPORT PLATE also has the advantage of allowing triple seam adhesive coverage for field seam strength.

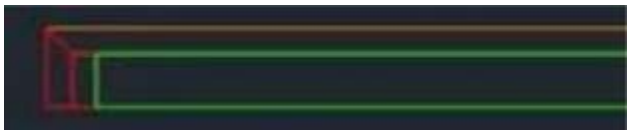
Edges

The preferred technique for edge build-up is the **"Stacked Edge"**. The edge strips, from one inch (25.4mm) to three inches (76.2mm) in width, allow the countertop edge to rest on the cabinet. This allows for the under-edge protection provided by the EOS^{CU}, as well as, assuring the substrate is not visible or able to be touched (in most cases).

General Guidelines for applying a "Stacked Edge"

- Assure color match and LOT number.
- Precut strips to desired width.
- Assure strips will overlap any seams for added strength.
- Stagger the ends of strips to provide added strength and lessen likelihood of detection of the adhesive line.
- Use stop blocks to maintain strip alignment during adhesive application.
- Thoroughly clean edge strips and countertop with denatured alcohol.
- "Dry Fit" to determine correct alignment and appearance. Adjust as necessary.
- Apply a generous amount of color matched seaming adhesive.
- Utilize spring clamps at close intervals (<3"-76.2mm) to evenly apply pressure to edge strips.
- Assure even adhesive "squeeze out".
- Use router to remove excess cured adhesive.
- Profile edge detail to desired level.

Vertical "Drop Edges" can also be utilized. The use of a Rabbet cut in the countertop is the preferred method to accept the edge strip that is being applied. Clean and "Dry Fit" according to usual standards. All Vertical "Drop Edges" require a second strip of EOS^{CU} behind the leading piece as support.



Mitered or "V" grooved "Drop Edges" may also be utilized. As with standard Vertical "Drop Edges" a second piece of EOS^{CU} is required behind the leading piece as support.

Corner blocks may be utilized to create inside and outside corners. These blocks can be stacked according to the necessary thickness of the countertop edge. The blocks can also be staggered to create an interlocking feature with the corresponding edge details. These blocks can be profiled before or after installation to the fabricators needs. The use of CNC profiled corner build-ups is also authorized.

Finish Sanding Requirements

The only authorized finish for EOS^{CU} is a Matte 360 Grit Mirka Abralon WET finish. This finish requirement will provide the clinical efficacy necessary to support the EOS^{CU} Public Health Claim along with the added benefit of a pleasing aesthetic value. Failure to finish the EOS^{CU} to the required level can lead to end user dissatisfaction, as well as a negative impact on efficacy. This required finish level is entirely based on Fabricator/ Installer technical prowess and will not be considered a manufacturing/material defect if the finish sanding is not completed correctly.

1. Utilize **100-150 Grit (162-100 micron)** abrasive paper for initial sanding step to remove major scratches or excess adhesive.
2. Thoroughly clean residual dust from EOS^{CU} material with air, denatured alcohol or clean water. Assure no residual sanding grit is left on face of material prior to moving to the next step.
3. Utilize **180-240 Grit (82-60 micron)** abrasive paper to remove scratch pattern left from Step 1.
4. Repeat Step 2 to assure EOS^{CU} is clean and contaminant free.
5. Utilize **320 Grit (40 Micron)** to remove scratch pattern from Step 3.
6. Repeat Step 2 to assure EOS^{CU} is clean and contaminant free.
7. Utilize ***Mirka Abralon 360 Grit*** as the final finishing step. The **Abralon pad must be WET** and remain so during this final step. Rinse Abralon pad thoroughly in water to remove "loading" of the EOS^{CU} dust.

There can be NO waxes, varnishes, oils or films on the EOS^{CU} product. All residue must be removed from the surface of the EOS^{CU} product to allow the Preventive|Biocidal^{TM} properties to work effectively. Also, only approved cleaners are authorized for use with EOS^{CU}.

General Support and Radius Guidelines

Corner Radius

- ½ inch minimum (12.7mm) inside corner radius for all countertops.
- ¼ inch minimum (6.35mm) for all cut-outs. This includes drop-in sink applications.
- All edges must be “eased” with a minimum $^{1}/_{16}^{th}$ inch radius (1.59mm).

Heat / Cold Generating Devices

- $^{1}/_{8}^{th}$ inch (3.175mm) minimum expansion gap.
- Radius all corners.
- All edges must be “eased” with a minimum $^{1}/_{16}^{th}$ inch round over (1.59mm).
- Sand smooth all router “chatter”.
- Support devices within 3 inches (76.2mm) but no closer than 1 inch (25.4mm).

Overhangs

- Maximum unsupported overhang is 6 inches (101.6mm).
- Brackets or Corbels are required at any point beyond 6 inches (152.4mm).

Supports and Spans

- Installs on standard 24-inch-deep cabinets (609.6mm) do not require extra support.
- Any box over 36x36 inches (914.4mm) will require additional inside support.
- Overhangs beyond 6 inches (152.4mm) require additional support.

Installs without cabinets, such as “wall mounted” tops, require the following supports:

- Brackets or Corbels at 16 inch on-center intervals (406.4mm) attached to support studs.
- Brackets or Corbels must be 75 percent of the width of the countertop, overhang not to exceed 6 inches (152.4mm).
- Tops exceeding 24 inches in depth (609.6mm) require Bracket or Corbel spacing at 12 inches on-center (304.8mm) attached to support studs.

EPA Required Documentation & Warranty

EPA Required Documentation

EOS^{CU} is an EPA certified product. Because of this certification, the EPA requires EOS Surfaces LLC to track where each batch of material is installed. Like other manufactured surfaces, EOS Surfaces tracks manufactured batches with LOT numbers.

It is imperative, that you note the lot numbers used and final installation location as you fabricate a job. This is a key part of the warranty registration process. Failure to note this information will void the 10-year warranty. You may download a Lot Numbers Log to document your progress as you fabricate by visiting our fabricators resource page.

Before the job is complete, you must adhere, an EPA required installation tag to each installed surface. You will also need to provide the facility with the EPA required pamphlet. If these items were not included with the material delivery, please request EPA required supplies on the fabricators resource page.

EOS^{CU} Warranty Registration

Once you have fabricated and installed all EOS^{CU} material for a job, you must complete the online warranty form to activate the 10-year EOS^{CU} Warranty. A copy of the EOS^{CU} 10-year Warranty may be found on the fabricators resource page.

Also on the fabricators resource page is a link to begin a warranty registration. To complete the warranty registration, you need to have some basic contact information for your company and the facility. The form is 2 parts. At the end of part 1, you will be asked for lot numbers and their locations. You may choose to upload a scan or image of the completed Lot #'s Log or type in the information in the form field.

You, the facility contact, and EOS Surfaces will receive a confirmation e-mail once all steps of the warranty registration are complete. All details provided will be listed in the e-mail. There will be links to the 10-year warranty as well as the most recent version of the care and maintenance document.

EOS^{CU} Product Care

A copy of the care and maintenance document may be found on the fabricator resource page. On page 2 is a list of approved cleaners. As hospital cleaner companies are constantly developing new product, EOS Surface tests cleaners and hand soaps. The most up to date list will be published on the EOS^{CU} website.

If you have additional questions about this process, please contact the EOS Surfaces team at eoscuteam@eos-surfaces.com.

Brand Identity Guidelines

It is vital to the sales and marketing success of EOS^{CU} that the brand identity of EOS^{CU} be protected. This is also necessary to ensure the success of any partners who integrate the material into their own products. Working within the EPA regulatory environment and leveraging the EPA Registered Public Health Claims as well as the biocidal capabilities of the material elevate the products above any others in the market but also require adherence to the rules and requirements of the agency. As a result, the following requirements must be followed when writing, speaking, or otherwise communicating about EOS^{CU}.

Product Name and Use | Referencing EOS^{CU}

Any time EOS^{CU} is mentioned, whether in person or in writing, only the following product names may be used:

- EOS^{CU} (pronounced ē-ōs see-yoo) written in all caps, with "CU" in superscript.
- EOS^{CU} Preventive|Biocidal Surfaces
- Preventive|Biocidal EOS^{CU}
- A full logo and branding guide can be found at this link.

The use of any name or alternate reference to the product other than those registered by the company with the EPA is considered as the marketing and sale of a completely different product and thus an unregistered product, creating unnecessary risk of enforcement and penalty.

EOS^{CU} Description | When Going Beyond the Specific Claims Language

One of the most significant differentiators of EOS^{CU} is that the surface itself actively kills germs. Only two surfaces have the EPA-registered, legal right to make this important claim. However, many other products can slow or inhibit the growth of mold, mildew, fungi, and even some germs. So how do we make sure the audience knows that EOS^{CU} does far more than these other products? The key is in using the correct term (and avoiding certain terms).

Terms to Avoid:

- Antimicrobial
- Antibacterial

Technically, EOS^{CU} is an antimicrobial and antibacterial surface. The issue with the term is that EOS^{CU} is more than antimicrobial and antibacterial. Products that simply slow or inhibit the growth of nuisance microorganisms and germs are allowed to use the term "antimicrobial" and "antibacterial;" to stand out in the marketplace, we need to differentiate. The misrepresentation of antimicrobials and their various levels of efficacy by Treated Articles in the marketplace has created confusion. Using proper terminology (recommended below) communicates the differentiating attributes of EOS^{CU} quickly and successfully without violating the requirements of EPA Stewardship.

Recommended Terms:

Preventive Biocidal: This term covers the protective nature of the product – it can help prevent the spread of germs – with the killing action of the surface. This term is not only an excellent descriptor, it is also a part of the EOS^{CU} branding: "EOS^{CU} Preventive | Biocidal Surface".

Biocidal, Bactericidal: This term is a scientifically recognized way to describe a product that kills microorganisms. (The "-cidal" root means "killer.")