



Multi-Surface Ceramic Clearcoat

PURE AIR COATING

*Transforms all HVAC Systems, Floors and Roofs
into **AIR PURIFIERS** that Never Stop Working*



Floors • Walls/Ceilings • All Touch Point Surfaces • Windows • Air Handling Systems
Roofs • Concrete • Pavers • All Exterior Surfaces

PRESERVES • PROTECTS

SIMIX improves indoor air quality



Reduce sick days

Common pollutants, allergens, mold, viruses and bacteria contribute to poor indoor air quality and are linked to sick building syndrome, reduced productivity, and impaired learning in schools.

**Clean and coat your evaporator coils to
destroy allergens, airborne germs, viruses,
odors and generate clean fresh air.**

What is SIMIX?

SIMIX Multi-Surface Ceramic Clearcoat is a non film-forming, hygroscopic, super-hard liquid glass that will never yellow, chip, peel or crack. Just like in glass, the primary ingredient in SIMIX is silica (sand). That is mixed with potassium and lithium, which are very conductive. SIMIX conducts heat. It is not an insulator, like all other coil coating products on the market today.

What is hygroscopic?

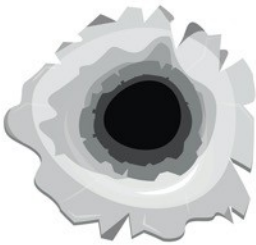
A continual process to attract and adsorb water molecules from the air to the surface. This process draws heat from the coils and also enhances the photocatalytic oxidation technology which destroys airborne germs, viruses, odors and generates clean fresh air.



Why do you need SIMIX?

Air conditioners start losing efficiency the moment you install them. Tiny gaps are created by the expansion and contraction of the tubes and fins. Airborne corrosive particles and salt ions enter those microscopic gaps, corroding the unit and making it less efficient. SIMIX fills in those microscopic gaps, leaving behind a smoother surface that improves heat transfer.

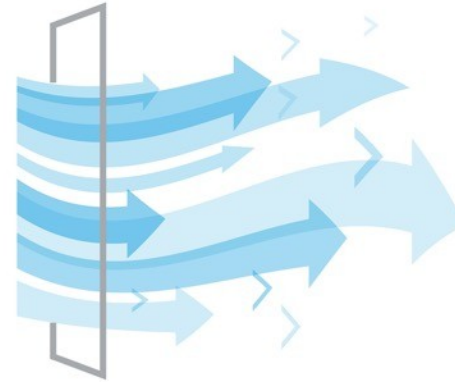
What does SIMIX do?



SIMIX fills in microscopic gaps between fins and tubes created by salt, air pollution, and expansion and contraction.



SIMIX is a conductor. It conducts heat away from the coils.



SIMIX allows the fans to pull more air through the condenser and evaporator coils, destroying odors and generating clean, fresh air, indoors and outdoors.

**The Key
to Better
Indoor **AIR**
QUALITY**

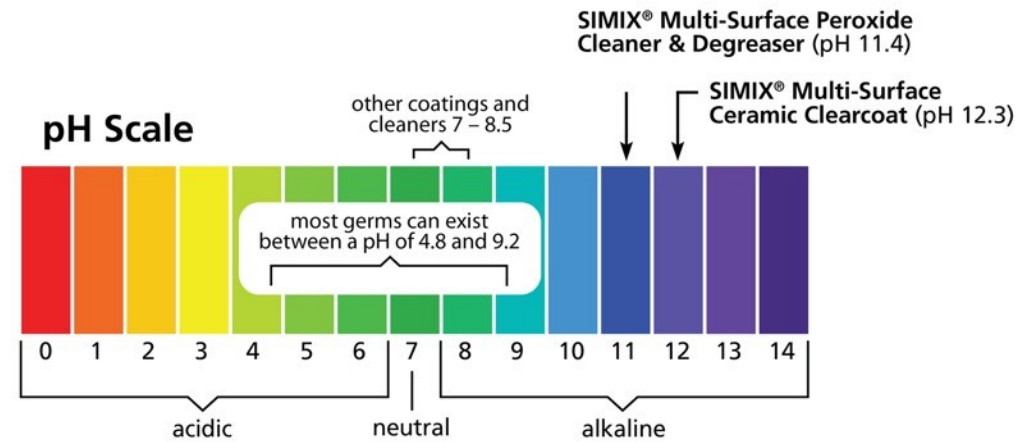


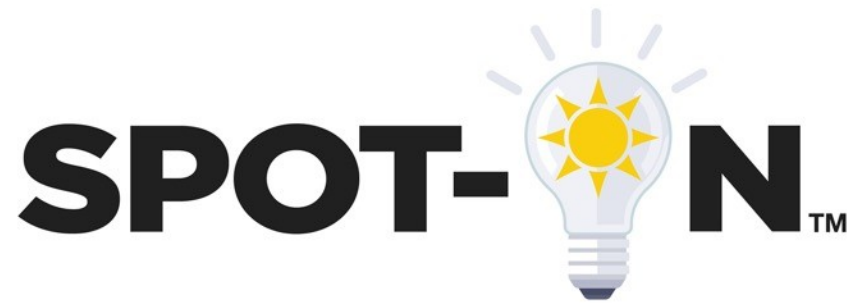
Microbial activity circulates throughout your building and thrives on all surfaces.

SIMIX Ceramic Clearcoat and SIMIX Cleaner fight viruses (including coronaviruses) in three ways. First, SIMIX Clearcoat and SIMIX Cleaner maintain a permanent, safe, high pH that is hostile to viral and microbial growth. Second, SIMIX Clearcoat and SIMIX Cleaner contain titanium dioxide that works with UV and indoor lighting to constantly sanitize the surface. Third, SIMIX Cleaner contains hydrogen peroxide, which inactivates viruses.

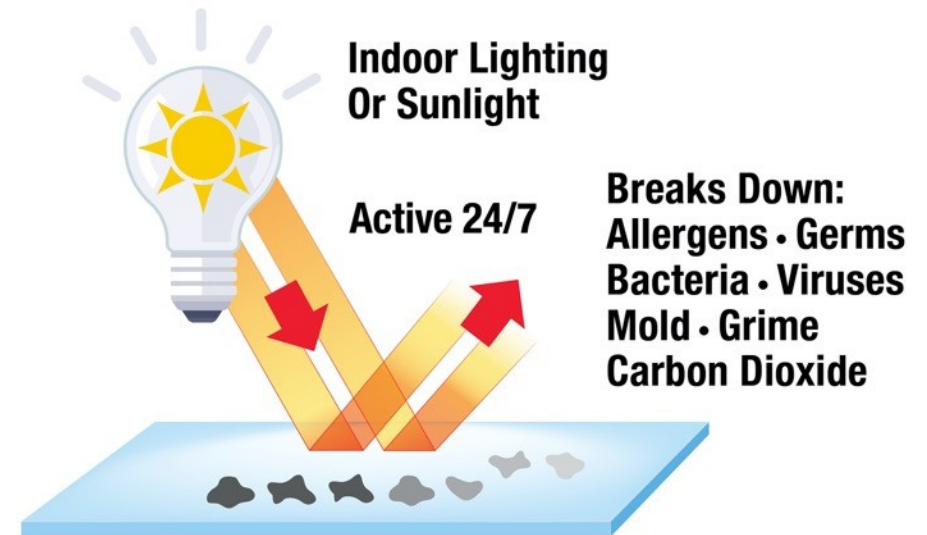
With SIMIX, you can easily maintain a clean environment that does not support virus growth.

Viruses live and grow on surfaces that have a pH level between 4.8 and 9.2. While most cleaning and coating products are pH neutral, SIMIX Cleaner (pH 11.4) and SIMIX Clearcoat (pH 12.3) create a permanent, safe, high pH that prevents the growth of viruses and biofilm.





**Sustainable Photocatalytic
Oxidation Technology
by *SIMIX*®**



What is SPOT-ON?

Sustainable Photocatalytic Oxidation Technology (SPOT) is what we call the titanium dioxide inside SIMIX Clearcoat and SIMIX Cleaner. Titanium dioxide is a safe, naturally occurring compound that reflects natural and artificial light. As that light is reflected, it converts water in the air into a radical form of hydrogen peroxide, often referred to as the “detergent” of the atmosphere which breaks down airborne hydrocarbons, bacteria, viruses, germs, mold and foul musty odors.

Transforms your A/C condenser and evaporator into **AIR PURIFIERS** that Never Stop Working



SIMIX improves the ability of any new or old unit to produce dramatically colder and fresher air
Destroys all foul musty odors

- Lowers your energy bill 10%–20%
- Add years to the life of your A/C units
- Prevents salt damage

Waffle House #265, Phoenix Arizona

Air temperatures measured during the cleaning and coating process



Return air



Supply air
before cleaning



Supply air
after cleaning



Supply air
after coating

Split results ▶

13.3° ▶

20.4° ▶

45.3°

Waffle Houses operate 24-7, giving their (4) 5-ton A/C units a constant workout. After we cleaned and coated all condenser and evaporator coils, these older units produced dramatically colder air. Run times were reduced by over 50%, slashing energy use while also improving air quality.

Original Pancake House, Park Ridge, IL



Restaurateur, **Dale Eisenberg** has been using SIMIX for over four years in his five locations, and is saving 60% to 70% on cleaning costs. At his Original Pancake House he used to spend \$2,400 per year to hydrojet four times a year and has eliminated those costs completely. **Watch a 3 minute video to change your perspective on cleaning.** www.simixusa.com

Cleaning, then coating the condensing and evaporator coils with SIMIX Ceramic Clearcoat destroyed airborne allergens, germs, viruses and foul musty odors which also reduced energy consumption saving money!

Before cleaning and coating			1 week after cleaning and coating with SIMIX		3 weeks later	
Airborne contaminant		Result on 6/7/21				
COVID		Not detected		Not detected		Not detected
Grass pollen	High	0.13		Not detected		Not detected
Cat allergen*	Medium	0.37	Low	0.11	Low	0.11
Dog allergen	Low	0.28	Low	0.20		Not detected
Mold allergen	Medium	5.89	Medium	4.71		Not detected

*It's not uncommon to see changes in allergens, especially with pet allergens, from run to run. Cat allergen is very tenacious and can stick to cat owner hair, skin, and clothing. Cat owners can easily transfer cat allergen everywhere they go. The higher cat allergen may be due to a cat owner coming into the establishment.

Air quality results were achieved without UV-C light source

AirAnswers is the only commercially available air sampling device that collects all biological particles including viruses, bacteria, allergens and molds. Samples are analyzed in their ISO certified laboratory by RT-PCR using protocols designed and provided by the Center for Disease Control and Prevention.



See restaurant video testimonial on homepage

Original Pancake House, Park Ridge, IL (2 units, totaling 17 tons)

Reduce your energy bill by 10–20%

	KWH 2019	Avg Temp	Kwh 2022	avg temp	Kwh 2023	avg temp	2022 diff	2023 diff
April	11820	55	10860	53	10740	58	960	1120
May	11220	64	10500	70	10560	70	720	660
June	14100	74	15480	81	14640	78	-1380	-540
July	19320	83	17340	82	15780	81	1980	3540
August	18540	80	17100	81	17040	81	1440	1510
Sept	17940	75	17040	76	16200	74	900	1740
Oct	15720	53	13560	53	13200	56	2160	2520
							6840 less Kwh	10550 less Kwh
							\$889 saved	\$1,371 saved

Units were cleaned and coated in September 2021.

2019 normal business (base year)

2020-2021 COVID-19 reduced seating capacity

2022-2023 back-to-normal

**In just 6 months \$1,371 (.13Kwh)
in energy cost savings was achieved.**

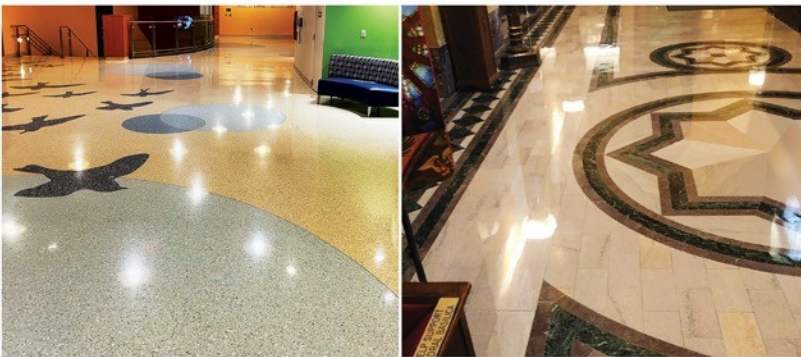
Transforms all Floor Surfaces into ***AIR PURIFIERS*** ***that Never Stop Working***



Never strip again **Never burnish again**

- Reduces annual floor maintenance time 20%–40%
- High traction coating, reduce slip and falls
- Less expensive than acrylic floor finish
- Highest shine in the industry

SIMIX Ceramic Clearcoat destroys airborne germs, viruses, odors and generates clean fresh air



Floors stay cleaner longer

Floors coated and cleaned with SIMIX stay cleaner longer than floors with regular acrylic coatings. Cleaning less often means you save time and money. In grocery, retail and restaurant locations, cleaner floors are proven to increase sales and return visits.

PRESERVES • PROTECTS

VCT • Hard Tile and Grout • Epoxy • Urethane • Sheet Vinyl • LVT • Polished Concrete • Natural Stone • Linoleum • Sealed Wood Flooring • Terrazzo • Pavers

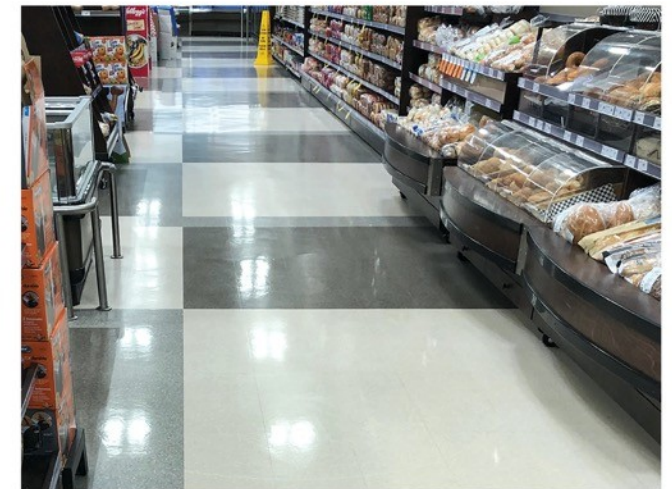
Show your true colors with SIMIX



SIMIX Multi-Surface Ceramic Clearcoat enhances natural marble, terrazzo & all other natural stone

- Provides a natural highly-polished look
- Enhances true color, does not yellow
- Brightens, highest reflectivity
- Never strip again, never burnish again
- High traction coating, reduce slip & falls
- Low cost • Easy to use

Has your VCT lost its lustre. Your floors don't need to look aged and yellow. SIMIX enhances VCT the same as it does for natural stone.





Burnishing floors spread germs

HEALTHCARE • SCHOOLS • RETAIL • OFFICE • GROCERY



Visible scuffs and invisible germs stick to all acrylic floor finishes due to the continued use of liquid pH neutral cleaners.



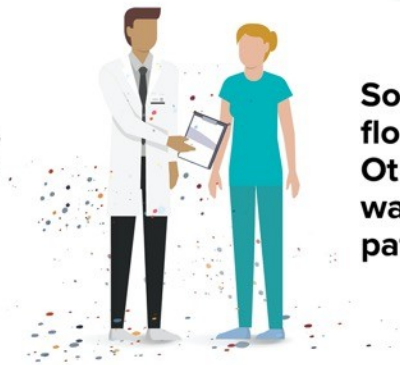
Dry burnishing breaks down scuffs and germs, sending those particles into the air.



Some particles return to the floor and are tracked all over. Others are churned up by walking feet and land on patients, staff and visitors.



These germ laden particles are easily transferred to patients and equipment.



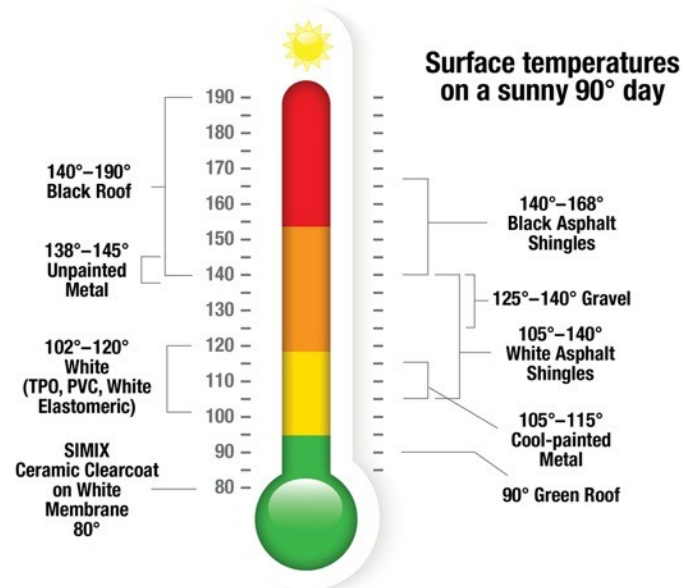
Never strip again, Never burnish again

Transforms all Roof Surfaces into **AIR PURIFIERS** that Never Stop Working



Reflects 100% solar UV and IR heat band on all white and light color roofs

- Reduces roof temperature (reducing heat island effect)
- Breaks down greenhouse gases
- Add years to the life of all roof surfaces
- Prevents algae, mold, and mildew regrowth



SIMIX keeps your roof cool

Our permanent high pH Ceramic Clearcoat contains potassium and lithium silicates and will reflect 100% of the IR Bandwidth of the sun. This keeps your rooftop cooler and your building cooler, too.

Stops further decay • Lower temperatures help your roof last longer

SIMIX reflects damaging UV rays

Prolonged UV exposure damages in several ways: Accelerates fading

- Roofs that are not protected show premature aging, blistering and cracking

PRESERVES • PROTECTS

White Membrane (TPO/PVC/EPDM) • Elastomeric • Asphalt Shingle • Tile • Vertical Surfaces

The industrial revolution and the increase in population in the last 172 years is 100% responsible for global heating. The increase in carbon dioxide is the result in the burning of coal, gasoline and natural gas.

Everything mankind has made absorbs radiant energy from the sun

Once the level of energy exceeds the outdoor mean temperature it radiates it back into the atmosphere

CO2 absorbs that radiant energy which raises the ambient temperature

Roofs in dense urban environments account for 70% of Urban Heat Island effect and in sparse areas 50%

Year	CO2 PPM	Increase +/-	Population	Increase +/-
1800	280		1B	
1850	280	(industrial revolution)	1.2B	+200M
1900	295	+15	1.6B	+400M
1950	311	+16	2.14B	+986M
2000	369	+58	6.143B	+3.559M
2020	412	+53	7.794B	+1.351M
2022	421	+9 (in only 2 years)	8.000B	+206M

The global average surface temperature today is 2.07°F above the average comparison period of 1920.



**Decarbonization begins with SIMIX Multi-Surface Ceramic Clearcoat
SPOT-ON™ Technology, the only coating that breaks down Carbon Dioxide
into beneficial carbon and oxygen.**

What happens if we were to coat the A/C units at 3.8 million single family homes in the state of Florida

	Net Savings
1 single family home saves 3,000 kWh	11,400,000 MW
1 family home saves 2,439 lbs of coal per year	4,878,000 tons of coal
Each rail car carries 100 tons of coal	48,780 rail cars eliminated
Every ton of coal burned emits 5,174 lbs. of carbon dioxide	12,619,801 tons of carbon dioxide not released to the atmosphere

When both roof and A/C coils are coated you can expect to reduce energy consumption on the hottest days from a low of 15% to 25% (Northern) and 25% to upwards of 40% (Southern)



First year savings

Tony Hopcraft and his wife Lynda live in St. Augustine, Florida. The high temperatures regularly top 90 degrees for months. They cleaned and coated their air conditioner with SIMIX in April 2020. Since then, they've been saving money on their energy bill. (*the only time they didn't save was when their grandchildren came to stay and kept leaving the doors open!)

First year savings equates to 3,000 kWh (\$360/12 cents per kW). (2020 kW price)

	Month	Before Simix	After Simix	Savings
AIR CONDITIONING	May	\$166	\$121	\$45
	June	\$225	\$181	\$43
	July	\$223	\$215	\$18*
	August	\$226	\$225	\$1*
	September	\$268	\$215	\$53
HEAT PUMP	October	\$211	\$174	\$37
	November	\$139	\$147	No savings
	December	\$132	\$96	\$36
	January	\$139	\$152	No savings
	February	\$121	\$87	\$36
	March	\$129	\$75	\$54
	April	\$144	\$86	\$58
	TOTALS	\$2,123	\$1,774	\$360

Absolutely Nothing Destroys Grease Like SIMIX



- No more greasy, slippery floors
- No more foul grease trap odors and flies
- No more clogged lines & expensive hydrojetting

SIMIX LLC has achieved Registration status for SIMIX Multi-Surface Peroxide Cleaner & Degreaser to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds

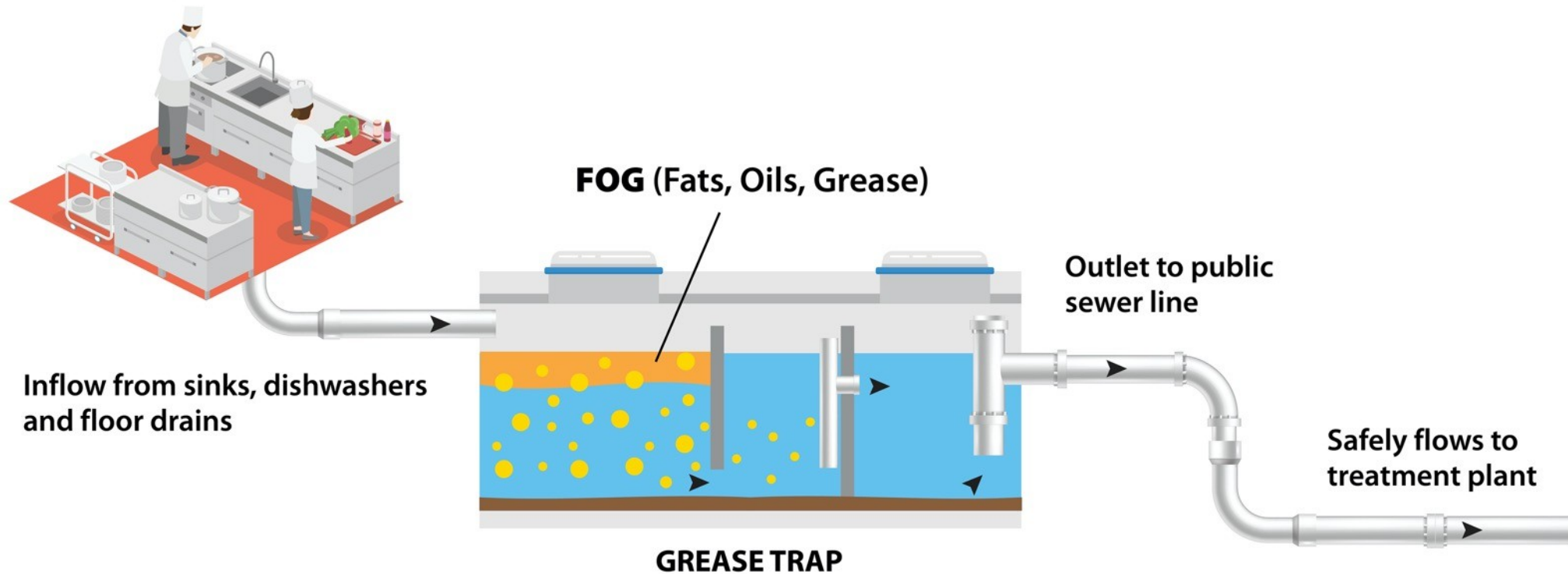


Category	Category Code	Intended Us
Cleaning Products	A1	General cleaners
	A4	Floor and wall cleaners
Laundry Products	B2	Laundry products – no food contact
Sewer and Drain Cleaners	L1	General

SIMIX Multi-Surface Peroxide Cleaner & Degreaser is the new name for the **SIMIX Multi-Surface Cleaner Degreaser/Sanitizer**. It is the exact same product/ingredients since 2004. As this name transition occurs, use the following rinse directions: A potable water rinse is required after use of this product in food processing areas.



SIMIX Multi-Surface Peroxide Cleaner & Degreaser eliminates costly snaking, hydrojetting and repairs



- **Breaks down grease**
- **Keeps floor drains clean and pipes free-flowing**

Safe, clean and healthy surfaces



Exhaust Hoods • Filters Countertops

- No toxic chemicals or VOCs
- Reduces cleaning time
- Your staff will find it easier to clean & sanitize



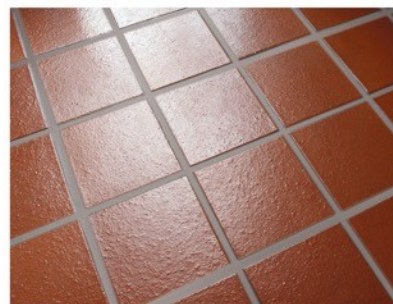
Laundry, Aprons and Rags

- Eliminate grease smell
- Hypoallergenic - Stop employee complaints about skin irritation
- Fragrance-free
- Save money from services



Deep Fryers and Appliances

- Easy and faster to clean
- Safer - no toxic fumes
- Less expensive



Floors

- Less slippery
- Leaves floors squeaky clean
- Reduces cleaning time
- Protect and extend life of grout



A/C Evaporators and Condensing Coils

- Removes airborne germs, mold, dirt, grease and oil
- Increases air flow
- Safe for all metals



Urinals

- Easier to keep clean
- Dissolves uric acid crystals
- Eliminate need for hydrojetting
- Eliminates the smell in and around the urinal



***Turns your Carpet into an **AIR**
PURIFIER that Never Stops Working***



SIMIX Multi-Surface Peroxide Cleaner & Degreaser

Cleans and sanitizes by removing dirt, grease and microorganisms. Germs live and grow on surfaces that have a pH level between 4.8 and 9.2. While most cleaners are pH neutral, SIMIX Cleaner has a safe high pH of 11.4. With SIMIX, you can easily maintain a clean environment that does not support germ growth.

- Deep cleans
- Eliminates food, urine and smoke odors
- Removes the sticky residue left by liquid cleaners
- SIMIX Cleaner is a powder with no sticky residue
- Keeps carpets cleaner longer
- Low cost • Easy to use

One Product For All Your Interior Cleaning Needs

One Product For All Your Exterior Cleaning Needs



- Removes roof algae, mold, dirt, grease and oil
- Overspray is not harmful to pets or plants
- Safer and cheaper than bleach
- Eliminates pet urine, oil and grill grease stains
- Breaks down Carbon Dioxide

SIMIX will help all exterior surfaces look better, last longer, stay cooler and break down Carbon Dioxide



- Enhances true color • Prevents further oxidation
- Prevents all automotive fluids from attaching
- High traction coating - Reduce slip and fall
- Reduces salt and freeze-thaw damage
- Prevents algae, mold, and mildew regrowth
- Water-based • Zero VOCs • No odor
- Never use bleach again



**Before coating air temp 83°F.
surface temp 120.2°F**

**After coating air temp 85°F.
surface temp 83.7°F**

Lowered by 36.5°F



Turns Walls/Ceilings and Touch Point Surfaces into
AIR PURIFIERS that Never Stop Working



PET SAFE



PLANT SAFE

simixusa.com



MADE IN USA