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BioGuard surface solutions | Sanitizing, anti microbial sealers | Testing and monitoring controls.

# A/C Ceramic Coil Coating

**Reduces Energy Consumption**  
**Prevents Microbial Attachment on Evaporator**  
**Airborne Salt Corrosion Resistant**



**Coats the entire unit including cabinet interior and exterior, fan blades, and refrigeration coils**

- Extend life of unit
- Significantly improves air flow
- Coating conducts energy and transfers heat
- Stops cabinet paint fading and dog urine damage
- Easy in-field application
- Water based - Zero VOC - No odor

**Eco-Friendly Antimicrobial Coatings and Cleaners That Save You Time and Money**

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## Case Studies



### 18% Improvement

Simix cleaned and coated an air conditioner at a municipal building in Missouri. Before the unit was coated, the air speed was 8.2 mph. After it was coated, the air speed was 9.7 mph, an 18% improvement in cubic feet per minute.



### Temperature Drops 20%

Simix cleaned and coated a 2.5 ton Lennox residential unit in Wisconsin. After cleaning, the temperature of the air coming out of the register was 58 degrees. After coating, the temperature from same register was 46 degrees. This drop of 12 degrees is a 20% improvement. It means the air conditioner does not have to run as often, or as long, as it did before.

## Simix Saves You 25% or More on Energy

Simix cleaned and coated 11 units (110 tons total) on a commercial building in Wisconsin. The units were five to 15 years old and had been cleaned every May. Tests show that the company cut energy consumption by 43% after Simix was applied. In this case study, the average temperature for both the "before" and "after" summers was 66.2 degrees.

	Before Simix	After Simix	Simix Energy Reduction
May	43,920 kWh	23,040 kWh	48% less energy
June	47,920 kWh	27,840 kWh	42% less energy
July	49,520 kWh	26,560 kWh	47% less energy
August	45,440 kWh	28,400 kWh	38% less energy
September	39,760 kWh	23,600 kWh	42% less energy
Summer Total:	226,560 kWh	129,440 kWh	43% less energy

# Get More Years Out of Your A/C Units and Save Thousands

## What is Simix A/C Ceramic Coating?

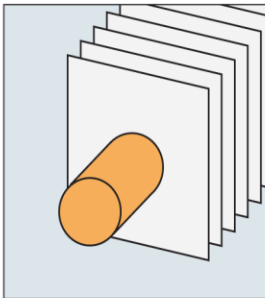
Simix A/C Ceramic Coating is a super-hard liquid glass that will never yellow, chip, peel or crack. Just like in glass, the primary ingredient in Simix is silica (sand) mixed with extremely hard mineral potassium. Simix A/C Ceramic Coil Coating conducts heat and is not an insulator like all other coil coating products on the market today.

## How is Simix A/C Ceramic Coating applied?

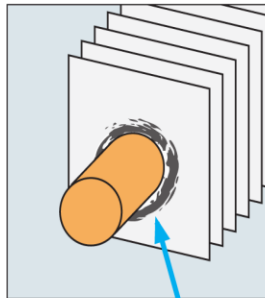
Simix A/C Ceramic Coating is easily applied to units in the field.

## Why do you need Simix A/C Ceramic Coating?

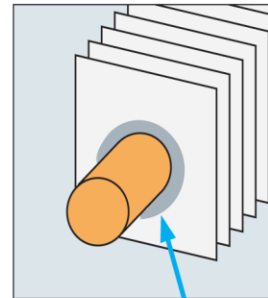
Air conditioners start losing efficiency the moment you install them. Tiny gaps are created by the expansion and contraction of the tubes and fins. Airborne corrosive particles and salt ions enter those microscopic gaps, corroding the unit and making it less efficient. Simix A/C Ceramic Coating fills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



On a new unit, the fins and tubes fit snugly together.

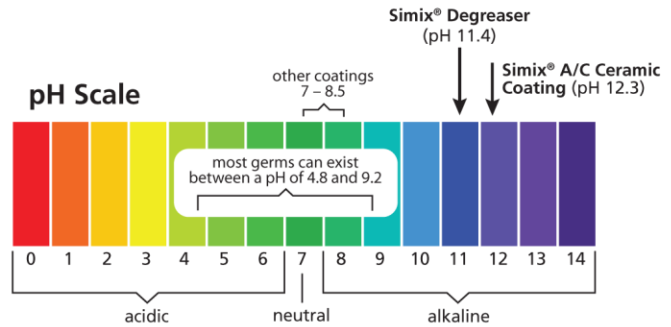


Soon, contraction and expansion create tiny gaps between the fins and tubes. The unit has to work harder to get rid of the heat.



Simix A/C Ceramic Coating fills in those gaps, increasing efficiency and saving you money.





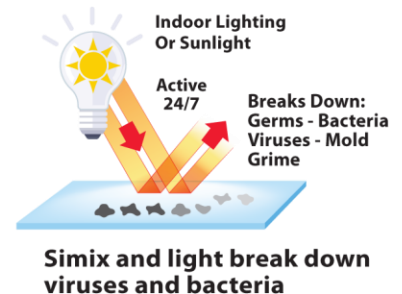
## How does the high pH in Simix A/C Ceramic Coating protect staff, customers, patients and students from bacteria and germs?

Germs live and grow on surfaces that have a pH between 4.8 and 9.2. While most cleaning and coating products are pH neutral, Simix Degreaser (pH 11.4) and A/C Ceramic Coating (pH 12.3) create a permanent, safe, high pH that prevents the growth of germs and biofilm. On evaporator coils, Simix prevents bacteria growth, reducing your risk of an airborne or waterborne disease outbreak.



### What is SPOT-ON?

Sustainable Photocatalytic Oxidation Technology (SPOT) is what we call the titanium dioxide inside Simix Coatings and Degreaser. 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 hydrogen peroxide, which breaks down bacteria, viruses, germs, mold, grime and stains.



[www.simixairconditionercoating.com](http://www.simixairconditionercoating.com)