SIMIX®

Multi-Surface Ceramic Clearcoat

PURE AIR COATING

Transforms All Surfaces into an AIR PURIFIER that Never Stops Working

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

Reduce your energy bill by 10–20%*
Reduce local air temperature (heat island effect)
Reduce carbon emissions

Culver's, Middleton, WI

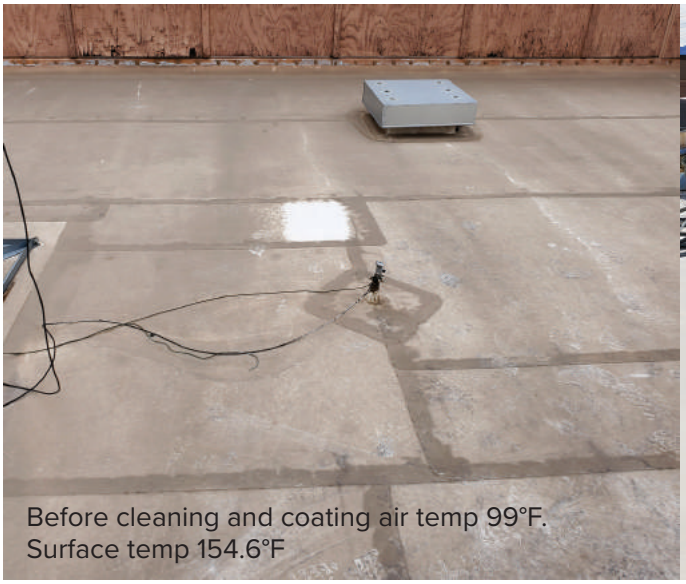
Before coating air temp 83°F. surface temp 117.3°F
After coating air temp 85°F. surface temp 81.8°F

*Savings will vary based on geographical location and temperatures. The hotter the temperature the more the savings.

Reduces roof & vertical surface temperatures by 35°–74°F

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

Surface temperature on white membrane roof lowered by 74.3°F



Before cleaning and coating air temp 99°F.
Surface temp 154.6°F

After coating air temp 99°F.
Surface temp 80.3°F

Air temperature 99°F. Surface temperature only 80.3°F!

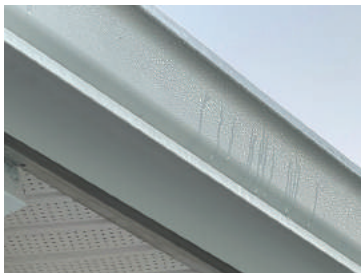
Nine months after cleaning and coating the Sundance Convenience Store in Lake Havasu, AZ, the air temperature at 9:30 a.m. was 90°F and the roof temperature measured 76.4°F.
At 12:30 p.m. the air temperature measured 99°F, the roof temperature was still a cool 80.3°F.

What is solar reflectance?

It is the ability of a material to reflect, and not absorb, solar energy from the sun.
Materials with low solar reflectance become hot when exposed to sunlight, which in turn makes it more difficult and more expensive to cool the structure.

What is hygroscopic?

A continual process to attract and adsorb water molecules from the air to the surface. This process draws heat from the surface and also enhances the photocatalytic oxidation technology preventing algae and mold from attaching and eventually washing away keeping the surface cleaner longer.



Cool roofs benefit the environment

- Reduce local air temperature (heat island effect)
- Lower peak electricity demand, which allows for a more stable energy grid
- When you cut the amount of energy you use to cool a building, you reduce carbon emissions

SIMIX significantly lowers energy costs and extends the life of your roof

HARNESSING THE POWER OF THE SUN

DESTROYS GREENHOUSE GASES

RESULTS

Roofs
- Destroys greenhouse gases
- Generates clean, fresh air
- Reflects solar IR heat band
- Reflects UV bands
- Extends the life of your roof
- Prevents further oxidation
- Lower indoor temperature
- Reduces A/C run time

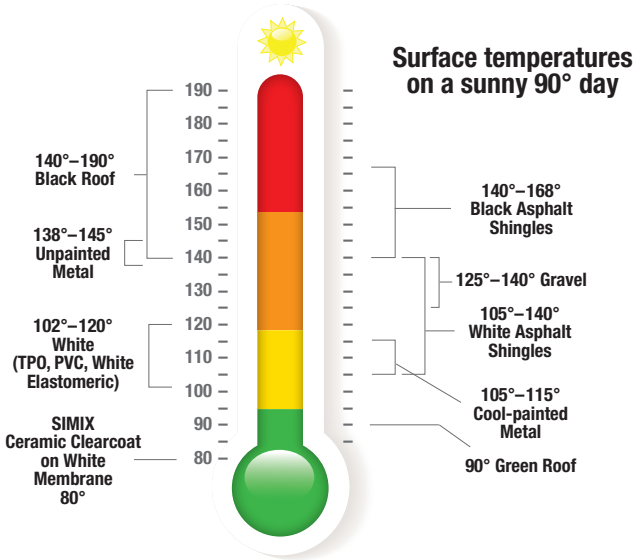
Vertical surfaces
- Exterior surfaces stay cleaner, look better, last longer and stay cooler

Energy savings
- Reduces roof & vertical surface temperatures by 30°–76°F
- Reduces energy costs by 10–20%

Ground surfaces
- 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
- Never use bleach again

SIMIX SPOT-ON™ keeps your roof cleaner longer

Sustainable Photocatalytic Oxidation Technology (SPOT) is what we call the titanium dioxide inside SIMIX Coating and Cleaner. Titanium dioxide is a safe, naturally occurring compound that reflects natural and artificial light. As that light is reflected, it converts water vapor in the air into a radical form of hydrogen peroxide, often referred to as the “detergent” of the atmosphere which breaks down airborne hydrocarbons, volatile organic compounds, carbon dioxide, ozone particulates, mold and all other greenhouse gases.



SIMIX keeps your roof cool

Our permanent high pH Hygroscopic Ceramic Clearcoat contains Potassium and Lithium Silicates and when applied as directed will reflect 100% of the IR Bandwidth of the sun thus preventing the surface from becoming a generator of heat. 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

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

SIMIX will help all exterior surfaces look better, last longer and stay cooler








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

- 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

HYPOALLERGENIC • NON-TOXIC • NO VOCS
PET SAFE
PLANT SAFE

SIMIX®

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MADE IN USA

SMX170