

# AquaSol™

Enhanced DPR Acrylic Finish  
with Hydrophobic and  
Photocatalytic Properties



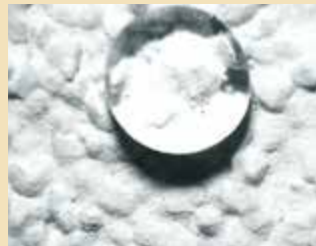
Envision...  
Any Shape. Any Color. Any Texture.

**PAREXUSA**

# Cleaner.

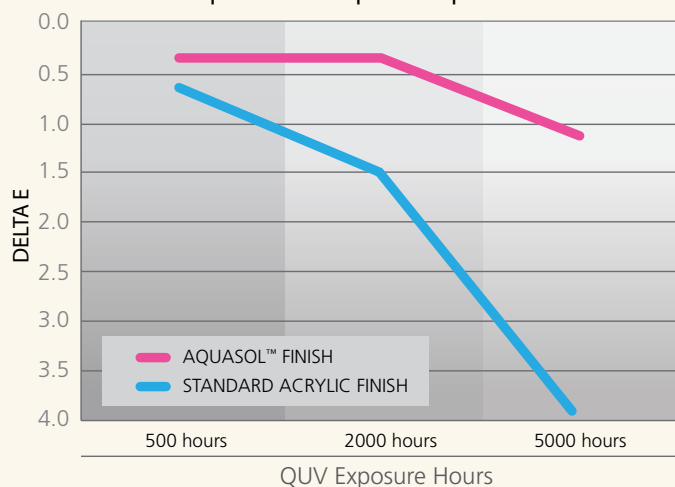
“Buildings specified with the new AquaSol™ finish are cleaned time and time again with natural rain water.”

Hydrophobic, meaning water repellent, is not generally associated with exterior wall surfaces. But it should be. Parex's new AquaSol™ acrylic finish is specially formulated with exceptional hydrophobic properties. Buildings specified with the new AquaSol™ finish are cleaned time and time again with natural rain water. As water hits the AquaSol™ surface, it simply beads off the exterior and takes any dirt, grime or soil in its path with it. Imagine the reduced maintenance costs AquaSol™ can provide. The hydrophobic qualities also make the surface more resistant to mold, algae and mildew. Overall, buildings will remain clean, dry and aesthetically pleasing for years to come.



Compared to standard acrylic finishes (left), the AquaSol™ finish (right) creates a perfect spherical bead of water that repels off the surface, keeping it dryer and cleaner.

## AquaSol™—Spectrophotometer



The effectiveness of AquaSol's self cleaning properties are validated through extensive research, formulation, and testing. Using a spectrophotometer, samples of the AquaSol™ and standard acrylic finish are exposed to UV light. AquaSol™ demonstrates superior durability, color fastness and self cleaning properties by holding constant Delta E values.

# Cooler.

“Formulated with an exclusive mix of raw materials, AquaSol™ reflects the sun’s heat and UV rays, lowering surface temperatures and saving energy.”

Envision an exterior finish coat that can actually keep the wall temperatures of your building cool. Now, that vision can become a reality with AquaSol™. Formulated with an exclusive mix of raw materials, AquaSol™ reflects the sun’s heat and UV rays, lowering surface temperatures and saving energy. This process is known as the photocatalyst action. As the sun’s rays hit the AquaSol™ surface, they are immediately reflected. This greatly reduces the amount of heat the building absorbs and retains. Another advantage of the heat reflectivity properties of AquaSol™ is the potential for reduced energy consumption. If your building’s exterior is cooler, then the demand on interior cooling systems is reduced. Generally, darker colors absorb heat and lighter colors reflect heat. But, with AquaSol™, even darker colors will reflect heat.



AquaSol reflects up to 15% more UV rays when compared to standard acrylic finishes.

## HYDROPHOBIC Cleaner

- Exceptionally water repellent
- Surfaces cleaned with water, reduced maintenance costs
- Enhanced Dirt Pickup Resistance
- Protects against the growth of mildew, algae and mold
- Resists soiling and stains

## HEAT REFLECTIVE Cooler

- Cooler wall surface temperatures
- Can help reduce energy costs
- Long-lasting color, increased fade resistance
- Design flexibility, darker colors can be specified without absorbing heat

## PHOTOCATALYTIC Greener

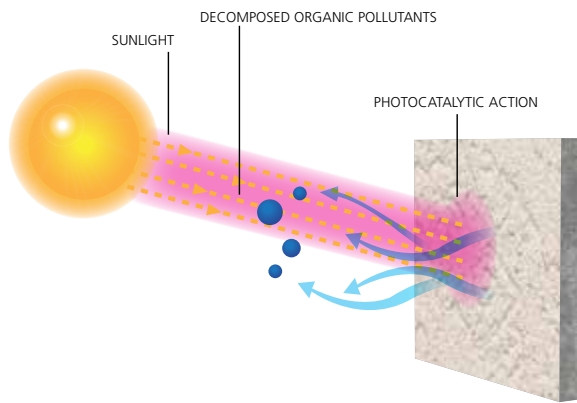
- Pollution reducing
- Removes harmful environmental pollutants
- Resists organic and inorganic pollutants that can cause discoloration



# Greener.

“Most interesting, is AquaSol’s pollution reducing properties created from photocatalysis.”

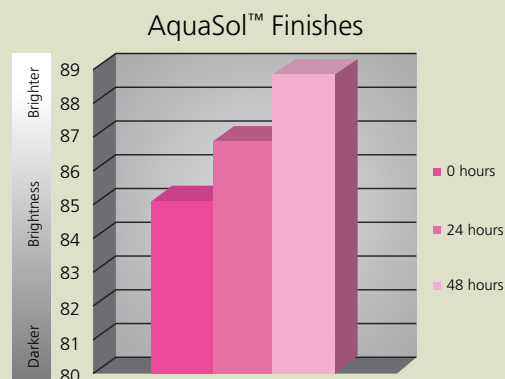
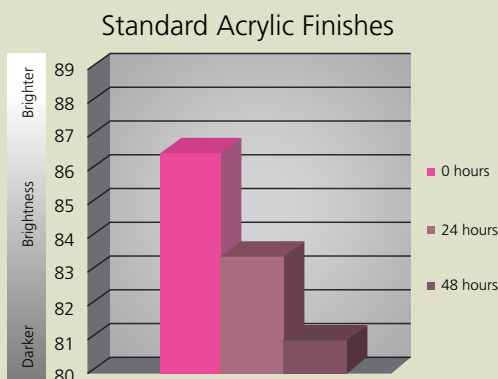
From cooler walls to reduced maintenance costs, AquaSol™ offers numerous environmentally green advantages. Most interesting, is AquaSol’s pollution reducing properties created from photocatalysis. Just as photosynthesis uses light from the sun to help plants grow, photocatalysis uses the sun’s UV rays to expedite a natural oxidation process. This oxidation process decomposes organic and inorganic substances, known as smog, in the atmosphere. The proprietary technology in AquaSol™ literally helps breakdown smog molecules using nature’s sunlight, creating a greener, cleaner environment.



The pollution reducing effects of AquaSol™ are best demonstrated above. As UV rays from sunlight hit the AquaSol™ surface, organic and inorganic pollutants are destroyed through an accelerated oxidation process called photocatalysis.



Rhodamine B Dye, which is formulated to imitate pollutants (known as smog), is applied to a standard acrylic finish and AquaSol™. After 48 hours of UV exposure, the Dye (pollutants) are decomposed demonstrating the pollution reducing effects.



The graph depicts the degrading color of the Rhodamine B Dye after 24 and 48 hours. As illustrated, the standard acrylic finish became darker, therefore accumulating more pollutants. Whereas the AquaSol™ brightness increases nearly 60%, which illustrated the pollutants being destroyed.

# AquaSol™

The advancements behind AquaSol are tri-fold. Cleaner. Cooler. Greener.

With great excitement and anticipation, Parex is proud to launch its latest innovation that is sure to take the facades industry by storm. AquaSol™ is a unique acrylic finish with enhanced hydrophobic and photocatalytic technology. In addition to the impressive features found in standard acrylic finishes, AquaSol™ also [repels water](#), [reflects UV rays](#), and [reduces pollution](#).

From residential to commercial buildings, AquaSol™ will optimize both environmental and aesthetic values throughout the buildings life cycle. Environmentally, the photocatalytic technology behind AquaSol™ helps breakdown atmospheric pollutants in the air and on the surface. The photocatalytic properties of AquaSol™ also help keep the wall surface temperatures cool as it reflects heat from the sun. Aesthetically, the exterior remains cleaner as dirt merely runs off the AquaSol™ surface whenever water hits the facade. Ideal applications include new construction or refinish projects over Parex EIFS, stucco, masonry or concrete substrates.





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## About Parex USA, Inc.

Parex USA, Inc., a California Corporation, is a subsidiary of the ParexGroup, a division of Materis, S.A., a French Corporation. The ParexGroup is one of the world's leading manufacturers of specialty chemicals and ready-to-use mortars for the construction industry. With over 53 manufacturing sites in 19 countries the ParexGroup employs more than 2,700 industry professionals who are the corner stone of this thriving global organization.

## About Parex

Parex, a leading EIFS and coatings manufacturer entered the industry in 1986 with a complete line of EIFS products and a focus on innovation, quality and service. Parex was the first EIFS manufacturer to develop local color tinting programs, offer online AIA Continuing Education programs and introduce an online color formula database.



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**SUSTAINABILITY**