



Benefits & Advantages

LEED QUALIFIED: The RetroPlate System is Green and our customers and their customers care about that! RetroPlate is, pure and simple, a modified sodium silicate that interacts with the calcium hydroxide (free lime) in the cement component of concrete. In utilizing RetroPlate, you and your customers are taking safe, naturally occurring materials to enhance the strength of the concrete.

ABRASION RESISTANCE: The RetroPlate System increases the abrasion resistance by up to 400% (ASTM C779). As a surface treatment, RetroPlate provides the greatest increase in strength at the top of the floor and allows for unmatched abrasion resistance.

WATER REPELLANCY: The RetroPlate System chemically and mechanically locks up the pores at the surface of the floor. This densification process inhibits the penetration of water, oils, and other contaminants

ELIMINATES DUSTING: RetroPlate closes off the surface of the floor and locks in the concrete salts, thus keeping the surface from dusting. This dramatically reduces maintenance costs by keeping equipment, machinery, and finished manufactured products free of concrete dust.

MARBLE-LIKE SHINE: With the RetroPlate System, three levels of shine are provided. Level 1 is a matte finish, providing a light shine, which increases over time with traffic and regular scrubbing. Level 2 is a high gloss shine with a good degree of reflectivity. Level 3 is a marble-like shine, increasing the reflectivity by at least 30%. Each level provides ease of maintenance and will increase the floor's resistance to scratching or wear.

EASE OF MAINTENANCE: By creating a smooth, dust free surface, maintenance is reduced dramatically. Tire marks are eliminated. A national eye care manufacturer claims that the RetroPlate System has reduced their maintenance by 90%.

INCREASES FLOOR HARDNESS: Testing shows that the RetroPlate System increases the floor's impact resistance by 21% (ASTM C805).

QUALITY: A RetroPlate floor has no adverse effects from ultraviolet light or water spray (ASTMG23-81). The RetroPlate System creates a durable floor that withstands traffic, abrasion, and daily abuse.

ADDITIONAL SAFETY FEATURES: The RetroPlate System removes dangerous joint slippage. Although imparting a beautiful shine, RetroPlate does not create a slippery floor. The RetroPlate System is environmentally safe.



Environmental Safety

WE'RE GREEN

Advanced Floor Products takes great pride in providing a "GREEN" and environmentally friendly system. Taking care of our environment is becoming a greater concern for owners, contractors, architects, and others involved in construction, and we are proud to provide a system that meets those demands.

DEFINING GREEN

When people think of the term "GREEN," they are thinking of how they can minimize their impact on the Earth. In other words, how they can live, breathe and build without causing, or at least minimizing, harm to the environment.

ENVIRONMENTALLY SAFE

One of the many advantages of using RetroPlate is the fact that it is environmentally safe. The RetroPlate system no solvents or volatile organic compounds are used. It is also an odorless, nonflammable and Program (LEED). RetroPlate has earned its PLATINUM, GOLD and SILVER on numerous projects. To learn more about the LEED program, visit www.usgbc.org.

NATURAL PROCESS

In every step of the RetroPlate System, an environmentally safe approach is taken. When you or your customers utilize RetroPlate, you are simply taking a formulation of water and naturally occurring materials to strengthen the concrete. By refurbishing the existing concrete, we are recycling, and saving energy as well as landfill space.

NATURAL PRODUCT

The RetroPlate product, being a water-based sodium silicate, works by chemically interacting with the calcium hydroxide in the cement component of concrete. We are not creating a topical floor covering, nor are we creating a flooring product that will require extensive maintenance, stripping, ongoing topical treatments or future disposal in a landfill. We are simply utilizing natural products to enhance the performance of other natural products, and we do it in a safe, environmentally friendly and cost efficient way.

THE NATURAL ANSWER

Corporations, retailers, school districts, healthcare facilities, architects and facility managers are all looking at ways to lower costs, both to their operation and to the environment. What the RetroPlate System provides has minimal or no environmental impact, and these individuals are finding out that building "GREEN" is not only good for the planet, but also for business and public perception. Once a project has committed to being "GREEN," it is natural for RetroPlate to be considered. The RetroPlate product is natural, the process is natural, and the maintenance process utilizes water and a neutral cleaner. RetroPlate is the natural answer.