

SmartFloor

Sustainable Concrete Floor Systems

SmartFloor™ Abrasive Technology

Lifetime Aesthetics Warranty

Lowest Life-Cycle Costs

SmartFloor™ Trowel Diamond Polishing

SmartFloor™ Maintenance System

SPECIFY | INSTALL | SUSTAIN


TECHNOLOGY BROUGHT TO YOU BY :

AMERIPOLISH®

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The Ameripolish® Way



Ameripolish® is proud to represent a product line determined to be of the **highest quality and desirably affordable**. Ameripolish® stakes its claim as the only polished concrete company that can cover your consumable product needs from curing the concrete through maintaining the floor.

Here at Ameripolish®, we manufacture and design only the best products made specifically for the concrete industry. After watching the polished concrete industry struggle with failed polished concrete floors due to an array of reasons, we developed the SmartFloor™ System. We hope you will give us the opportunity to show you how the SmartFloor™ System, and the Ameripolish® team are different.

If properly followed, a “SmartFloor” will demonstrate itself to be an incredibly beautiful and long-lasting floor solution.

Sincerely,

Clint Howle
President
Ameripolish®, Inc.

“Every once in a while, a new technology, an old problem, and a big idea turn into an innovation” - Dean Kamen

THE BENEFITS OF POLISHED & EXPOSED CONCRETE

Easy-to-clean, highly durable concrete makes a fantastic flooring choice for industrial sites, commercial spaces, and retail facilities due to its versatile decorative look and cost-effective life cycle.



Ecologically Efficient

The structural slab is used as the finish, so no other materials are harvested to cover it



Reflectivity

The reflective surface brightens the facility and reduces the need for artificial lighting



Cost Effective

The durability of polished concrete combined with its enduring life cycle make it one of the most cost effective flooring solutions available



Non-Pollutant

Polished concrete installation releases low Volatile Organic Compounds (VOCs), therefore the floor emits few airborne contaminants



Low Maintenance

Polished concrete is easy-to-clean and doesn't require stripping and waxing like previous retail floor systems



Versatility

Polished concrete can be designed in any color, sheen, or aggregate exposure to work with any decor



Highly Durable

True polished concrete doesn't rip or scuff because there is no topical coating on the surface, and it holds up to high traffic and abuse



Allergen Free

Polished concrete harbors no dustmites, dander, or mold

WHAT IS THE SMARTFLOOR™ SYSTEM?

The SmartFloor™ System is a ground-breakingly different *continuous wet polishing system* that eliminates premature floor failure. When SmartFloor™ Maintenance procedure is properly followed your floor stays at a desirable finish level. Using a three-fold, comprehensive approach, the SmartFloor™ System begins at specification, continues through installation, and is sustained through an ongoing maintenance program that incorporates continuous polishing in the cleaning process.

The SmartFloor™ system doesn't stop when the installers complete the job with the SmartFloor™ Trowel Diamond Polishing blades. With the SmartFloor™ System, installation and maintenance are one continuous polishing process that is utilizing the same "composite resin abrasive" technology in each system. Your floor continues to perform for true longevity and the lowest possible life-cycle cost.

This "Smart" system utilizes Ameripolish's state-of-the-art penetrating curing agent, densifier and sealer, and surfactant technology to strengthen and enhance the concrete, as well as protect it against daily abrasion that can deteriorate its aesthetic quality. Through the SmartFloor™ Maintenance Plan, every time your floor is cleaned, not only will the composite resin abrasive cleaning pads be refining the polishing process, but the Ameripolish® Rejuvenating Cleaner will be reinforcing the sealer while lubricating the diamond pads and lifting contaminants.

**The SmartFloor™ System
Installation & Maintenance in One
Continuous Process**

SPECIFY



INSTALL



SUSTAIN



EQUIPPING YOUR MACHINE WITH SMARTFLOOR™ TROWEL DIAMOND POLISHING

SmartFloor™ Trowel Diamond Polishing stands out from other systems because of its simplistic design; equip your machine within minutes and begin polishing.

EQUIPPING YOUR MACHINE: IT'S FAST AND EASY

Polished concrete can be one of the more tedious flooring solutions in terms of equipment, but our SmartFloor™ Trowel Diamond Polishing system is fast to set up and easy to use.

How great would it be to be able to equip any machine with the same set of tooling, no matter the machine manufacturer? This feature is yet another way SmartFloor™ Trowel Diamond Polishing stands out from the crowd. The machine setup takes mere minutes; rent or buy any power trowel machine, and set up the Shroud, Water-Kit, and Universal Blade Holders in no time!

These features make the SmartFloor™ Trowel Diamond Polishing system *different*.



Shroud

The Shroud is a hard plastic material that wraps itself around the base of the machine and is floating. It protects from slurry “slinging” from beneath the machine and onto surrounding objects.



Water-Kit Quick Connect

The Water-Kit Quick Connect is assembled on the arm of the power trowel with a bracket and controls the flow of water to the floor with an adjustable valve. The base of the Quick Connect will remain on the power trowel while the valve can be removed as needed.



Water-Kit Coil Hose

The Coil Hose, which attaches to the valve end of the Quick Connect, allows the power trowel operator to move around the facility without having to chase a long hose behind him/her. The Coil Hose can stretch and follow the operator wherever he/she may go.



Universal Blade Holders

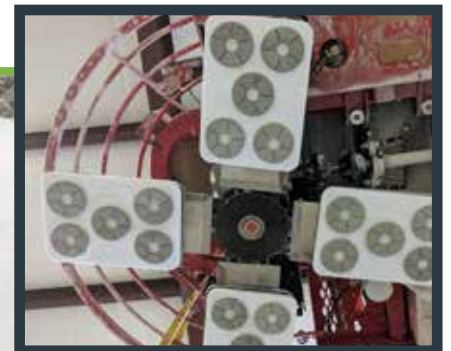
Universal Blade Holders are designed to adapt to **ANY** power trowel machine. Simply adjust blade holder arms to correct orientation and length, and presto! You are all set to secure SmartFloor™ Trowel Diamond Polishing Abrasives to the velcro side of the Universal Blade Holder!

THE TOOLING - WHAT IS IT, AND WHY IS IT DIFFERENT?

Diamond tooling comes in many options, such as metal bonds, hybrids, and resins, just to name a few; there is always a discussion surrounding the best steps and methods of tooling to use.

It can be hard to decide what system to use until you discover the simplicity of the SmartFloor™ Trowel Diamond Polishing system. Using truly ground-breaking, “composite resin abrasive” patented technology, the SmartFloor™ Trowel Diamond Polishing system delivers the fastest, most jaw-dropping results in just five easy steps. That’s right, there are just FIVE steps: Double Zero (00), Zero (0), One (1), Two (2), and Three (3). Once again, where SmartFloor™ Trowel Diamond Polishing system stands out is when switching abrasives between steps, taking virtually seconds to detach and reattach pads that are secured to Velcro on the Universal Blade Holders. Even on a large power trowel, one person can operate the entire system safely.

The SmartFloor™ program was designed after years of observing many concrete flooring programs and the common challenges each program faces. The SmartFloor™ System is a solution to many of the issues that we as a company have come head-to-head with over the past 15 years working in polished concrete.



SmartFloor
Trowel Diamond
Polishing

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MADE IN THE USA AMERIPOLISH

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Each SmartFloor™ Trowel Diamond Polishing Abrasive is in and of itself truly “Smart”. Leaving no guesswork for the end user, each step of the system is marked in chronological order on every abrasive, bolding out the step to which it belongs.

Even from afar, it is easy to identify this piece as a #3 step blade.



Before

Turn an old, failed floor into a modern masterpiece with the SmartFloor™ Trowel Diamond Polishing System

After

THE SMARTFLOOR™ TROWEL DIAMOND POLISHING POLISHED CONCRETE PROCESS:

During the polishing process, floor installers using SmartFloor™ Trowel Diamond Polishing will first grind the concrete with the #00 step, then apply PG-7K grout coat (if needed) and densify with 3D HSL™ densifier that strengthens the floor. After these applications, our #0, #1, #2, and #3 tool steps should be completed.

At this point you can elect to put our Classic dye and ColorSolve to introduce any color into the floor, or leave the concrete its natural color. After the floor has been thoroughly cleaned and free of dust and debris, installation contractors should apply Ameripolish® SR2™ fully penetrating sealer, which is designed to protect the floor from within itself and allow for the continued process of the SmartFloor™ Maintenance process. After Ameripolish® SR2™ has been applied, the installation contractor should burnish with our G3 burnishing pad (details on the G3 Pad on page 14).

Here is yet another way the SmartFloor™ system is different. After your flooring project has been installed, most systems would have walked away with the installer, but not SmartFloor™. The very same “composite resin abrasive” technology that installed the floor will be handed off in the form of a maintenance system fitted for automatic scrubbers to the floor owner. Read on about SmartFloor™ Maintenance on page 10.



The SmartFloor™ System is one continuous polishing system that never stops.

WHAT ARE THE CHEMICALS DOING?



PCA™
Strengthens at Cure



3D HS™
Densifies at Install



SR2™
Seals and Protects from
Within

The SmartFloor™ System Chemicals

Using a three-fold, comprehensive approach, the SmartFloor™ System begins at specification, continues through installation, and is sustained through ongoing maintenance. This unique approach combined with our unique hybrid chemical technology is measurably different, and we can guarantee it.

Strengthen at Construction with PCA™

During the cure of the concrete slab, most curing compounds rely on UV to dissipate. UV isn't always available in the case of indoor construction. Ameripolish® developed PCA™ Penetrating Curing Agent to adequately aid in the curing process, improve abrasion resistance and minimizing the effects of traffic wear, crazing and weathering. It even provides added stain resistance and can be used as a troweling aid.

Densify at Installation with 3D HS™

3D HS™ - Hybrid Silicate Densifier improves surface performance, tightens the surface for polishing, and helps to make the surface resistant to the harmful effects of traffic wear and weathering, as well as dustproofing.

Seal and Protect from within with SR2™:

Ameripolish® SR2™ is a penetrating stain-resistant sealer specifically formulated to protect polished, dyed, and exposed concrete from oil, water-based stains, and acidic etching agents. In independent testing, the SR2™ sealer has outlasted other products on the market for its superior stain resistance qualities.



THE SMARTFLOOR™ MAINTENANCE SYSTEM

The SmartFloor™ System is about continuity and consistent care for the life of your floor. To ensure this, our maintenance plan includes training, quality control, and support for your janitorial team. As the installer is closing out the installation, he/she will be required to install a “care package” on site which will include educational materials and supplies required to ensure that your floor is sustained correctly.

We take great care to specify pro-active diagnostics that relate to moisture/vapor drive, paste-cap density, water absorption, and **DOI finish standards**. This testing helps the installer to (a) understand the condition of the concrete, (b) respond accordingly as it relates to technique, abrasives, and chemical technology deployed, and (c) call out any challenges that may arise *early on*.

Support:

Our technical support staff will remain available to your maintenance personnel throughout the life of the floor to ensure that questions are answered, solutions are found, and challenges are overcome.



What is DOI?

We use Distinctness of Image (DOI) testing on SmartFloor™ polished concrete floors, which provides us a quantifiable measurement of the clarity of the polished surface.

DOI testing measures the deviation of light by scattering. The more scattering that is experienced, the more hazy and blurred the reflection appears.

DOI is the truest measurement of the surface refinement available. It cannot be replicated by a false sealer (false polish).

ASTM D5767: Standard Test Methods for Instrumental Measurement of Distinctness-of-Image Gloss of Coating Surfaces





HOW IT WORKS: SUSTAINING THE FINISH

SmartFloor™ is about much more than what products you use. SmartFloor™ is unique because it is about creating a powerful connection between specification, installation, and maintenance.

Floor owners will be equipped with “composite resin abrasive” technology suited to maintain their floor. That tool is the DOI pad, designed for everyday maintenance of the floor beneath an automatic scrubber. Simply running this pad daily ***will maintain and -in some cases - even improve the DOI readings of the floor.***

SmartFloor™ Maintenance System is also inclusive of Rejuvenating Cleaner, which is a polished concrete cleaner with properties of the SR2™ sealer within it to help increase longevity of the sealer. Simply mixing Rejuvenating cleaner in the automatic scrubber tank while running the DOI pads is the basic maintenance protocol. DOI pads can last an astounding 1,000,000 square feet.

The SmartFloor™ Maintenance system has a similarly marked step system (One’s, Two’s, Three’s and DOI’s), maintaining continuity from the installation phase. The additional “*Stain Remediation*” steps, matched numerically to the installation steps, would be used on an “as-needed” basis, for example the “pickle aisle” scenario. When an acidic product falls from the shelf and hits the floor, even with proper protection it can etch the floor. With the Stain Remediation Pads we are able to remove etches with a swing machine or automatic scrubber (in as little as 1-3 steps) and blend the floor back to its original aesthetic look.



Rejuvenating Cleaner

Rejuvenating cleaner with sealer reinforcement removes daily debris without harsh chemicals or build-up

For Daily Use



DOI Pad

Composite resin abrasive pads wet-scrub to revitalize the sheen of the floor to restore DOI values

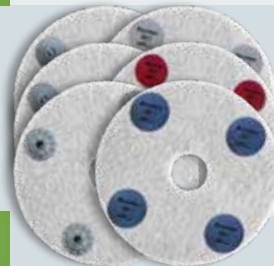
For Daily Use



SR2™

Seals and protects from within to provide stain protection

Biennial Application



Stain Remediation

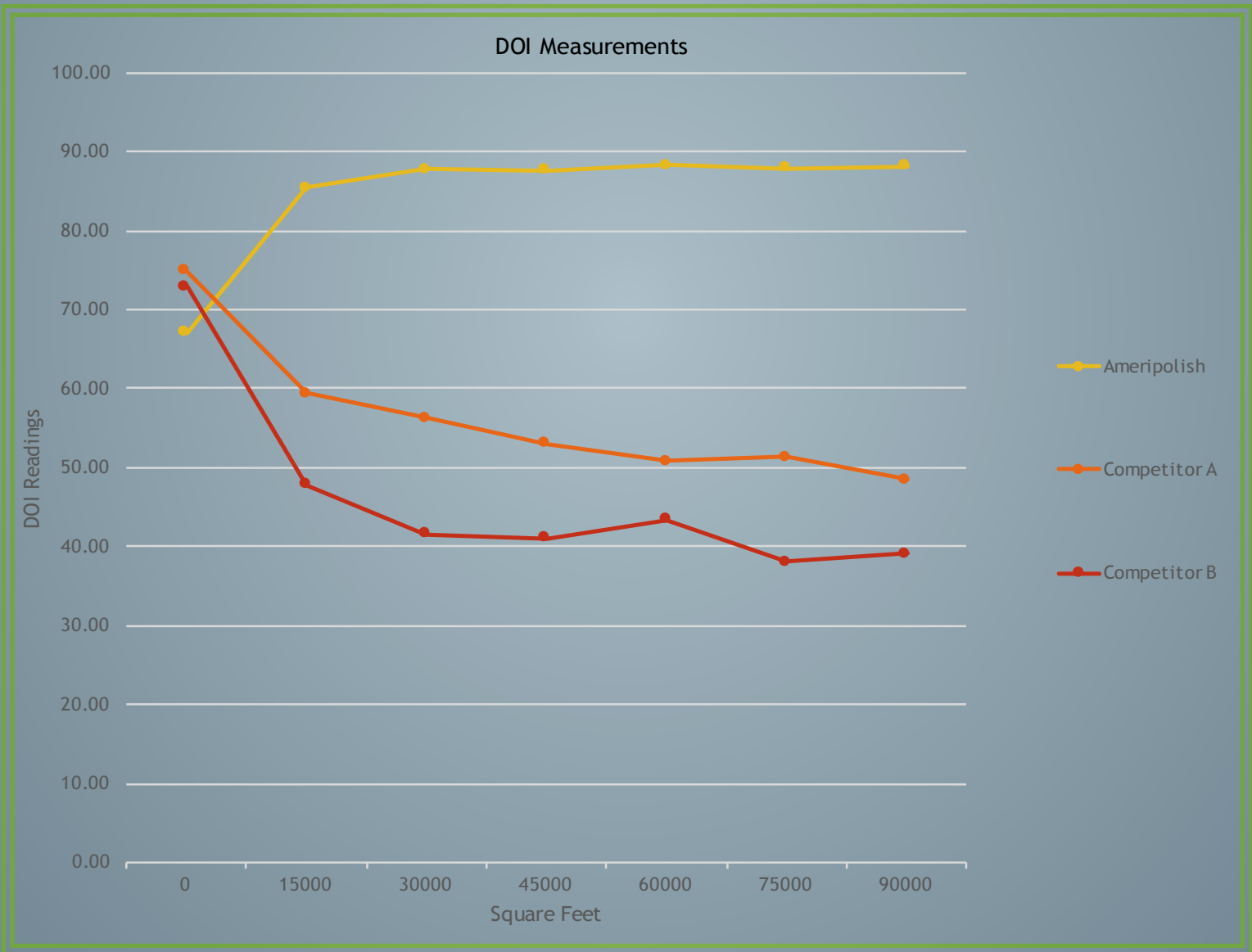
For use to remove stains and remediate any damaged or etched areas

As Needed

HOW DOES SMARTFLOOR™ MAINTENANCE COMPARE TO ITS COMPETITORS?

SmartFloor™ Maintenance outperforms its competition the first time it touches the floor. As you can see, especially over time, Competitor products actually deteriorate DOI measurements the more they are run on the surface, while the SmartFloor™ DOI pad increases and maintains the DOI measurements. This performance indicates better light reflectivity over time as opposed to Competitor products, which would decrease light reflectivity and aesthetic properties of the floor.

So how does SmartFloor™ Maintenance compare to the competition? You decide!



The SmartFloor™ System provides unparalleled continuity from installation to maintenance, resulting in a long-lasting finish



SUMMARY: WHY IT WORKS

The SmartFloor™ System provides unparalleled continuity from installation to maintenance, resulting in floors that never fail, never dull and are never left unsightly. This continuity-combined with superior product technology, ongoing support and training for your staff-ensure not only that the SmartFloor System is successful for the life of the floor, but it also ensures it is more *affordable* than other floors.

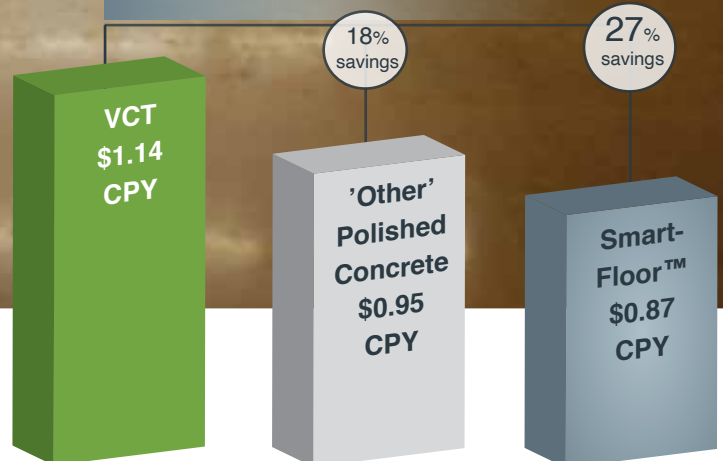
When analyzing the cost benefits of the SmartFloor™ System compared with VCT on a 10,000 square-foot floor over a ten-year lifecycle, the SmartFloor™ saves **27%**! The SmartFloor™ also out performs 'other' polished concrete systems on the market by **9%**.

Lifecycle Cost Estimate

This graph represents the cost per square foot comparison over a ten-year lifecycle for maintaining approximately 10,000 square feet of flooring.

We will provide you a customized Life-Cycle Estimate in our proposal to you.

COST SAVINGS COMPARISON



* CPY = Cost per year

THE AMERIPOLISH® G3 BURNISHING PAD

Ameripolish® G3 is a floor burnishing pad for use on high speed floor machines that operate in the 1500-3000 RPM range. The pad is made of polyester fibers in a nonwoven construction. This product is designed for the dry burnishing phase after Ameripolish® stain protection is applied and dried. The pad is available in varying sizes.



- Does Not Decrease DOI Values
- Does Not Promote Orange Peel Effect
- Perfect For Use with Ameripolish™ Sealers

The Ameripolish® G3 pad offers superior performance at nearly half the cost per square foot...

OUR QUALITY WARRANTY

Ameripolish®, Inc. warrants concrete floors treated with the full SmartFloor System against excessive distinctness of image (DOI) loss without time limitations.

The SmartFloor System includes application and maintenance of SmartFloor System products by an approved, licensed contractor in accordance with Ameripolish®, Inc. written instructions.

Please contact us for our full warranty in detail.



Ameripolish® warrants the SmartFloor™ system from excessive DOI loss for the life of the floor

THE SMARTFLOOR™ SYSTEM



The SmartFloor™ is an affordably different continuous polishing system that eliminates floor failures when properly followed, so your floor is left *permanently* polished. Using a three-fold, comprehensive approach, the SmartFloor™ System begins at specification, continues through installation, and is sustained through ongoing maintenance.

THE SMARTFLOOR FAMILY OF PRODUCTS



PCA™
Strengthens at Cure



3D HS™
Densifies at Install



SR2™
Protects from Within



Rejuvenating Cleaner
Revitalizes while it Cleans



SmartFloor™ Maintenance
Restores DOI Values &
Remediates Stains



SmartFloor™ Trowel Diamond Polishing
Universal Power Trowel Polishing Abrasives

AMERIPOLISH®
architectural concrete products

Technical Support
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