

Category &gt; Prepare

# SmartFloor™ Refinement System

Polishing Abrasives

## Product Description

The SmartFloor™ Refinement System concept is engineered to provide a high-aesthetic floor that is an easy and economical way to utilize any polishing machines, including power trowels. The SmartFloor™ Refinement System consists of pads that have composite resin abrasive technology embedded in their design. The SmartFloor™ Refinement System The SmartFloor™ Refinement System allows for easy assembly of universal blade holders, that will allow the user of the machine to equip abrasives to virtually any power trowel machine. Additionally, the SmartFloor™ Refinement System can be outfitted to machines with our patented blade system or compliment your planetary system with our custom ring designs.

## Features

- Easy to use pad system allowing simple swapping in/ out of desired pads to the velcro blade holders
- Universal blade-holder options
- Designed for use under walk-behind or ride-on power trowels or other polishing machines
- Pairs well with the SmartFloor™ maintenance system for a floor with high aesthetics and minimal cost
- Innovative and patented composite resin abrasive technology
- **5 simple steps!**

## Uses

The SmartFloor™ Refinement System is engineered to polish concrete floors using power trowel and other polishing machinery. SmartFloor™ Refinement System system works best with Ameripolish® PCA (Penetrating Curing Agent) as the curing agent for new concrete.

## Application

It is recommended that the machine being used maintains an RPM above 150 for this process. Use the appropriate blade holder to properly secure the SmartFloor™ Refinement System blade/ring to the machine.

Note: Be sure to remove and properly dispose of slurry after each step according to State Regulatory standards.

## Product Specification

<b>Application:</b>	Beneath Machine
<b>Appearance:</b>	Rectangular/Circular White Pad
<b>Shelf life:</b>	Indefinite

## Packaging Specification

Product # (Sold in 4 Counts)	Shipping Wt.	Avg. Diamond Life (Varies with concrete porosity)
TDP128-00	4.2 lbs.	20,000-30,000 SqFt
TDP128-0	4.2 lbs.	20,000-30,000 SqFt
TDP128-1	4.2 lbs.	20,000-30,000 SqFt
TDP128-2	4.2 lbs.	20,000-30,000 SqFt
TDP128-3	4.2 lbs.	20,000-30,000 SqFt
UVHDLR-2	22.6 lbs.	N/A

The above packaging specifications only references the rectangular blade system, for other product codes please see the SmartFloor™ Abrasives Technology brochure



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## Polishing Abrasives

1. Start with the SmartFloor™ Refinement System 00 blades/rings/rings and secure them to the power trowel machine.
2. Pre-wet the floor beneath the power trowel with water and begin operating the machine normally.
3. Make 2 overlapping passes using the “cross-hatching” method to ensure full floor coverage by the blades/rings/rings.
4. After completing the process with the SmartFloor™ Refinement System00 blades/rings/rings, clean the floor of any slurry, dust or debris. After the floor dries, apply the Ameripolish® densifier of your choice (3D HSL or 2D PL) according to its TDS application instructions and allow at least 1 hour for it to dry. After the densifier application, apply Ameripolish® PG-7K grout coat if needed/desired according to its TDS application methods before moving to the SmartFloor™ Refinement System 0 blades/rings.
5. After Ameripolish® 3D HSL or 2D PL has dried and Ameripolish® PG-7K has cured and dried, remove the 00 blades/rings and secure the SmartFloor™ Refinement System0 blades/rings to the machine.
6. Once the SmartFloor™ Refinement System0 blades/rings have been secured, begin operating the power trowel machine normally. Pre-wet beneath the machine with water and make 2 overlapping passes using the “cross-hatching” method.
7. When the SmartFloor™ Refinement System1 blades/rings have been secured, pre-wet the floor with water beneath the power trowel machine and begin operating the machine normally. Make 2 overlapping passes using the “cross-hatching” method until your entire area has been covered.
8. Remove the SmartFloor™ Refinement System1 blades/rings and secure the SmartFloor™ Refinement System2 blades/rings.
9. When the SmartFloor™ Refinement System2 blades/rings have been secured, pre-wet the floor with water beneath the power trowel machine and begin operating the machine normally. Make 2 overlapping passes using the “cross-hatching” method until your entire area has been covered.
10. After you have made 2 overlapping passes with the SmartFloor™ Refinement System2 blades/rings, be sure to clean the floor entirely of slurry, dust or debris.
11. When the SmartFloor™ Refinement System3 blades/rings have been secured, pre-wet the floor with water beneath the power trowel machine and begin operating the machine normally. Make 2 overlapping passes using the “cross-hatching” method until your entire area has been covered.
12. At this time, you can add dye to your floor using Ameripolish® ColorSolve and Classic Dye according to the Classic dye’s TDS application instructions.
13. Clean up any remaining slurry, dust or debris with an automatic scrubber and a white cleaning pad.
14. Seal the floor using your choice of Ameripolish® sealers (3D SP E, SR2, or both) according to their TDS application instructions.
15. After the Ameripolish® sealer has dried, run a high-speed burnisher equipped with an Ameripolish® G3 pad.

After completing each step, thoroughly rinse blades/rings and allow to dry to ensure concrete slurry doesn’t harden and decrease life expectancy of SmartFloor™ Refinement Systemblades/rings.

Once floor has been polished using the SmartFloor™ Refinement SystemSystem, it can be properly maintained with the SmartFloor™ Maintenance system.

## Warranty

The information contained herein is believed to be reliable. This information is based on laboratory testing and results. **Because of variations in methods, conditions and equipment, each user must test this product to make a judgment of performance. Applicator is responsible for testing material for effectiveness and performance.** Manufacturer obligation is limited to the refund of purchase price or replacement of material if proven to be defective. Claims must be made in writing and received within one year from date of product sale to original buyer. Sole remedy shall be replacement of product proven defective.