

Category > Prepare

SmartFloor™ Trowel Diamond Polishing

Power Trowel Installation Blades

Product Description

The SmartFloor™ Trowel Diamond Polishing concept is engineered to provide a high-aesthetic floor that is an easy and economical way to utilize any walk-behind or ride-on power trowel. The SmartFloor™ Trowel Diamond Polishing System consists of pads that have composite resin abrasive technology embedded in their design. The SmartFloor™ Trowel Diamond Polishing system allows for easy assembly of a water-kit, that will allow the user of the power trowel to control the amount of water being dispersed on the floor without having to stop operating the machine. Additionally, the SmartFloor™ Trowel Diamond Polishing offers a universal blade holder that can be retro-fitted to any power trowel machine.

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
- 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™ Trowel Diamond Polishing system is engineered to polish concrete floors using power trowel machinery. SmartFloor™ Trowel Diamond Polishing system works best with Ameripolish® PCA (Penetrating Curing Agent) as the curing agent for new concrete.

Application

It is recommended that a walk-behind or ride-on power trowel that maintains an RPM above 150 is used for this process. Use the appropriate blade holder to properly secure the SmartFloor™ Trowel Diamond Polishing blade to the machine.

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

Product Specification

Application:	Beneath Power Trowel
Appearance:	Rectangular with Circular Inserts
Shelf life:	Indefinite

Packaging Specification

Product # (Sold in 4 Counts)	Shipping Wt.	Avg. Diamond Life (Varies with concrete porosity)
BLD00-4	4.2 lbs.	20,000-30,000 SqFt
BLD0-4	4.2 lbs.	20,000-30,000 SqFt
BLD1-4	4.2 lbs.	20,000-30,000 SqFt
BLD2-4	4.2 lbs.	20,000-30,000 SqFt
BLD3-4	4.2 lbs.	20,000-30,000 SqFt
HDLR14CW-4	22.6 lbs.	N/A
HDLR14CCW-4	22.6 lbs.	N/A
HDLR18CW-4	29 lbs.	N/A
HDLR18CCW-4	29 lbs.	N/A



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1. Start with the SmartFloor™ Trowel Diamond Polishing 00 blades 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.
4. After completing the process with the SmartFloor™ Trowel Diamond Polishing 00 blades, 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™ Trowel Diamond Polishing 0 blades.
5. After Ameripolish® 3D HSL or 2D PL has dried and Ameripolish® PG-7K has cured and dried, remove the 00 blades and secure the SmartFloor™ Trowel Diamond Polishing 0 blades to the machine.
6. Once the SmartFloor™ Trowel Diamond Polishing 0 blades 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™ Trowel Diamond Polishing 1 blades 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™ Trowel Diamond Polishing 1 blades and secure the SmartFloor™ Trowel Diamond Polishing 2 blades.
9. When the SmartFloor™ Trowel Diamond Polishing 2 blades 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™ Trowel Diamond Polishing 2 blades, be sure to clean the floor entirely of slurry, dust or debris.
11. When the SmartFloor™ Trowel Diamond Polishing 3 blades 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 and allow to dry to ensure concrete slurry doesn’t harden and decrease life expectancy of SmartFloor™ Trowel Diamond Polishing blades.

Once floor has been polished using the SmartFloor™ Trowel Diamond Polishing System, 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.