



# Polymer Tool

Read, understand and follow all warning statements, prior to handling, manipulating or operating the polymer tool. If operator is unable to read English, have this sheet explained fully before using the tool.

This is a Polymer Floor Tool designed to polish, smooth, troweled, concrete floors. Use extreme care when operating the floor machine or the autoscrubber.

**-DO NOT USE THIS TOOL UNLESS FULLY TRAINED BY AUTHORIZED PERSONS.**

To avoid serious damage to the floor or personal injury, do the following:

-Always wear personal protective equipment. Handle with care. This tool has sharp edges.

- Do not drop the tool or alter it in anyway.

-Match the correct size tool to the floor machine, i.e. use a 16" tool with an 18" machine. Reference the machine owner's manual for further information.

-Always test in an inconspicuous area first, to determine if the results are acceptable.

**-DO NOT OPERATE THIS TOOL WITH FLAMMABLE MATERIAL (FUELS, SOLVENTS, THINNERS, ETC) OR SERIOUS BODILY HARM COULD RESULT FROM POSSIBLE FIRE OR EXPLOSION.**

-Polymer brushes must be used with water. Dispense water, via the floor machine or the autoscrubber, to cool blades and flush debris.

-Do not idle the machine on the floor in a stationary position. Always move the machine while the tool is rotating on the floor.

-Do not overheat the floor machine or serious bodily harm or machine damage could result from possible fire.

-Do not operate this product on surfaces, other than concrete.

-Do not use this tool on Hardwood Floors as color transfer may occur.

-Do not operate the tool over any protrusions on the floor.

-Do not use this tool where temperatures are 45 degrees or less. Allow blades to warm to room temperature prior to use.

-If using a single disc electric floor machine, motor must be 1.5 Horsepower minimum.

-Do not allow the machine to bounce. To avoid bounce and potential uncontrollable situations, do the following:

- 1) Move the machine slowly over the floor.
- 2) Always replace worn or broken blades.
- 3) Avoid un-even floors. If impossible, move slowly over area.
- 4) Do not swing the machine aggressively. Move slowly.
- 5) Adjust the handle of the machine to a lower position.

-Consult the Machine Owner's Manual for further warnings and operating instructions. The tool manufacturer is not responsible for damage to the floor, the floor machine or for any harm or injury resulting from unauthorized use.

-These warnings cannot address all possible device application circumstances. They are intended to inform user about potential risks of harm. These warnings do not create a more restrictive standard of care than applicable law.

## **SPECIAL NOTE:**

The Polymer Blades are made from Nylon resin. After prolonged dry storage or non-use, the blades may become hard and brittle. To re-condition the blades to their original state, soak in room-temperature water for 48-72 hours. The nylon blades will absorb water and become more pliable.

To increase the life of replacement blades, store them at room temperature, in a sealed, plastic bag. Do not store blades in indirect sunlight for prolonged periods of time.

### **Standard Operating Procedures for Single Disc Machine**

- 1) Always wear personal protective equipment such as hearing protection, safety glasses and steel toe shoes, when operating this tool on a floor machine.
- 2) Clean or sweep the floor to prevent unusual wear patterns or gouging of existing grit into the floor.
- 3) The system consists of six polishing steps, 100 grit metal blade, 100 grit black polymer, 200 grit blue polymer, 400 grit green polymer, 1000 grit red polymer and 2000 grit tan polymer.
  - a. Evaluate the floor surface and the desired results.
  - b. Not all floors require 100 grit wire blades to start.
  - c. Choose the correct grit size to begin. Be conservative.
- 4) Locate a small, inconspicuous area of floor to test tools, such as a corner or along a wall.
- 5) Prepare machine.
  - a. Move the machine to the test area.
  - b. Organize the brushes. 100 Concrete blade, 100 black polymer, 200 blue polymer, 400 green polymer, 1000 red polymer and 2000 tan polymer.
  - c. Manually mount brush to machine. Do not jump start tool.
  - d. Fill tank with water, etc.
- 6) Prepare the vacuum system, preferably on a separate circuit.
- 7) Dispense water from machine until the floor is wet.
- 8) **For a single disc floor scrubber**, start the machine.
  - a. Immediately move the machine back and forth. Do not idle brush on the floor.
  - b. Move very slowly over a three to four feet area at a time.
  - c. Repeat over floor 4 to 8 times. Eight times is ideal.
- 9) When slurry develops, stop machine and vacuum as necessary.
- 10) When consistent floor appearance is achieved, stop the machine and mount the next grit brush. Repeat, steps number 7 thru 9 with each grit size, in chronological order, over the entire floor as noted.
- 11) **For an Autoscrubber**, dispense water from machine until the floor is wet.
- 12) Start the autoscrubber machine.
  - a. Allow tool to get up to speed.
  - b. Start walking or moving the machine forward at the slow pace.
  - c. Lower the tool to floor as forward movements begins. **DO NOT IDLE TOOL ON THE FLOOR.**
  - d. Lift brush head from floor, prior to stopping forward movement.
- 13) Repeat movement over floor 4 to 8 times. Eight times is ideal.
- 14) Vacuum slurry prior to changing to next grit size.
- 15) When consistent floor appearance is achieved, stop the machine, remove tool.
- 16) Mount the next grit size brush to the machine and repeat steps six thru nine with each grit size, in chronological order, over the entire floor as noted.
- 17) Upon completion, clean all brushes with water and store in a cool, dry place.
- 18) Wash/clean the floor to remove any residual grit.
- 19) If desired, apply a sealer, or densifier or the like and burnish as usual.
- 20) Individual results may vary.