

## CHECKING CONDITIONS OF THE FLOOR

Check for condition of floor using one of the following tests and follow appropriate directions:

### **Wax Floor:**

Place a damp cloth (approx. 18" x 18") on the floor. Lift after an hour and check for any cloudy coloration. A white cloudy coloration indicates wax. In this case, strip the wax using a wax stripper before sanding is attempted. Excess wax will clog the sandpaper.

### **Painted Floor:**

Chemically remove paint before attempting to sand floor.

### **Varnished Floor:**

U-Sand® equipment will remove most kinds of varnish. Excessive layers of varnish, however, may require chemical removal before attempting to sand the floor.

### **Unfinished Floor:**

Start the sanding process with the least aggressive grit as possible, progressing to the finer grits of sandpaper ranging from 24 grit (the most aggressive/coarse) 36, 40, 60, 80, 100, 120 grit (less aggressive, coarse). Etc.

## OPERATING THE U-SAND® EQUIPMENT

**WARNING:** Always remove the electrical plug from the electrical outlet before installing and changing the sandpaper.

### **Select the paper to start:**

Select the least aggressive grit as possible that removes the desired amount of surface. Too aggressive grits leave swirl marks that are difficult to remove with finer grits that will be used later. Grits that are not aggressive enough do not take enough of the surface off and result in more work and a slower process

### **Installing Paper:**

Sandpaper should be installed by leaning the machine back and placing the sandpaper on the backer pads (BP6).

### **Changing Sandpaper:**

Paper should be changed when you notice less pull when running the equipment and see less material being removed by the process (10-15 minutes).

**CAUTION:** To prevent damage to backer pads, you must change sandpaper when it becomes loaded or clogged.

## STARTING THE SANDING PROCESS

Before operating the machine, make sure the handle adjusting lever is tight.

**Empty the vacuum system when full into a metal canister away from your workspace and other Flammable materials (this may need done several times during the process).**

**Remove the vacuum system from the unit when not in use and empty contents as instructed above.**

### STEP 1:

Determine the condition of the floor. We recommend starting with 36 grit (24 grit for severely damaged or heavy polyurethane floors). Lean the machine back on its handle. Attach the sandpaper to the backer pads. Sandpaper usage will depend on the finish to remove, and the amount of wood that needs to be removed.

### STEP 2:

With the U-Sand® equipment in the upright position, turn the switch on and slowly move the sander over the floor, letting the machine do the work for you. For new installation it is recommended to move the machine across the grain, this is the most effective way to level the floor. (change sandpaper when it appears plugged or dull).

### Proper Grit Sequence:

- 24 if needed
- 36 for leveling
- 40 sand thoroughly
- 80 final sanding and clear finish
- 120 recommended for staining

### STEP 3:

After sanding the floor completely, with the first grit, vacuum the floor thoroughly and change paper to the next finer grit. Continue the sanding process. Check paper after sanding about a 10' x 10' area to see that the paper is still sanding. Inspect the floor to see if any swirl marks remain. If swirl marks exist, continue to sand just the area with the higher grit paper until they are less visible. You should get down close to the floor and view it from several directions in good light for this inspection.

### STEP 4:

Use progressively higher grits. Sand the floor completely. This step will take less time than the previous grits. Check sandpaper often to make sure it is clean and effective.

### STEP 5:

Inspect the floor thoroughly for scratches or unevenness. Apply the final finishing grit (usually 120 or 180 grit). At this point, the floor should become smooth and free of all swirl marks when inspected closely.

### STEP 6:

Corners and edges and be sanded with a detail sander or hand scraper. A paint scraper can be used for hard to reach areas, such as: under radiators, and in corners. Some hand sanding may be necessary in these remove places. Inspect the floor thoroughly to determine when you are finished sanding.

#### STEP 7:

Vacuum the floor and clean with a tack cloth (available at your local hardware store). Then apply stain or varnish as desired. Follow manufacturer's recommendations for staining and finishing.

#### STEP 8:

**WARNING: Machines can cause Flammable materials and vapors to burn. Do not use this machine with or near matches, fuels, grain dust, solvents, thinners, or other flammable materials.**

**WARNING: To prevent injury always remove the electrical plug from the electrical outlet before changing the Sandpaper, emptying the bag, leaving the machine, or doing any maintenance to this machine.**

### REMOVING THE DUST BAG:

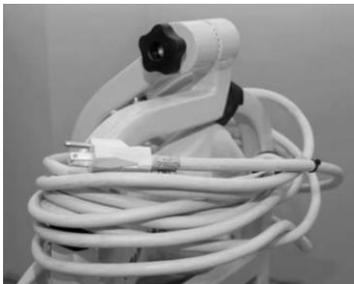
Unlock the Velcro straps and then remove the dust tube from blower. Empty the bag into a metal or non-flammable container away from your work area. **DO NOT LEAVE DUST BAG ON THE UNIT WHEN NOT IN USE.** Remove from machine when not in use for two (2) minutes or more and store in a metal container away from flammable objects. **DO NOT TRANSPORT MACHINE WITH DUST BAG ATTACHED.** Remove from unit, empty and carry separately.

### ADJUSTING THE HANDLE POSITION

Loosen the black knob (US146-146) and then adjust the handle position as desired. Tight the black knob once adjusted.

### PROPER STORAGE OF THE POWER SUPPLY CORD

Wrap the power cord around the frame of the machine for storage. Then, adjust the handle to the lowest position and store machine in and upright position.



### CLEANING AND STORAGE

Remove the dust system from the unit. Discard contents away from work area in a non-flammable area. Wipe the exterior of the unit with a damp cloth. Leave the last grit of sandpaper on the backer pads for transport and storage. This will protect the hook and loop of the backer pads.