Portable Tools: Belt Sander Requirements

Department: Chemical and General Safety
Program: Portable Tools
Owner: Program Manager, Jim Healy
Authority: ES&H Manual, Chapter 25, Portable Tools

Use of belt sanders must meet the following requirements, in addition to those found in Portable Tools: Electric Power Tool Requirements.[1]

Note *Always visually inspect tools before use and remove any found to be defective from service.*

1. Wear safety glasses and/or a face shield.
2. Wear a dust respirator for dusty operations.
3. Make sure the sander is switched to OFF before connecting the power supply.
4. Disconnect power supply or unplug the sander before changing a sanding belt, making adjustments, or emptying dust collector.
5. Inspect sanding belts before using them. Replace belts that are worn or frayed.
6. Install sanding belts that are the same width as the pulley drum.
7. Adjust sanding belt tension to keep the belt running true and at the same speed as pulley drum.
8. Secure the sanding belt in the direction shown on the belt and the machine.
9. Keep hands away from a sanding belt.
10. Use two hands to operate sanders: one on a trigger switch and the other on the manufacturer-supplied hand-hold.
11. Keep all cords clear of sanding area during use.
12. Clean dust from the motor and vents at regular intervals.

1 Portable Tools: Electric Power Tool Requirements (SLAC-I-730-0A21S-028), http://www-group.slac.stanford.edu/esh/eshmanual/references/toolsReqElectric.pdf