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Porter Cable 7800 Dustless Sheetrock Sander

GENERAL SAFETY RULES

WARNING: READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
5. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.
4. Remove adjusting keys or wrenches before turning the tool ON. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
6. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOLS USE AND CARE

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
2. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
3. Do not use tool if switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
5. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
6. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

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ADDITIONAL SAFETY RULES FOR DRYWALL SANDER

1. USE A RESPIRATOR approved by NIOSH for "Dust and Mist". Ventilate work area and/or use a dust collector. Continued and prolonged exposure to high concentrations of airborne dust may affect the respiratory system function.
2. MAINTAIN FIRM FOOTING AND BALANCE. Use appropriate scaffolding. Do not overreach.
3. SANDING OF LEAD-BASED PAINT IS NOT RECOMMENDED. Lead based paint should only be removed by a professional.
4. SOME WOOD CONTAINS PRESERVATIVES WHICH CAN BE TOXIC. Take extra care to prevent inhalation and skin contact when working with these materials. Request and follow any safety information available from your material supplier.
5. WARNING: This tool was designed for certain applications. DO NOT modify and/or use it for any application other than for which it was designed. If you have questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

ADDITIONAL SAFETY RULES FOR PAINT REMOVAL

WARNING: Extreme care should be taken when removing paint. The peelings, residue, and vapors of paint may contain lead, which is poisonous. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable. Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check for lead.

LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL.

Persons removing paint should follow these guidelines:

1. KEEP THE WORK AREA WELL VENTILATED. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving air from inside to outside.
2. REMOVE OR COVER any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
3. PLACE DROP CLOTHS in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
4. WORK IN ONE ROOM AT A TIME. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
5. CHILDREN, PREGNANT OR POTENTIALLY PREGNANT women and nursing mothers should not be present in the work area until the work is done and all clean up is complete.
6. WEAR A DUST RESPIRATOR or a dual (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep the masks from sealing properly. Change filters often. DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.
7. KEEP FOOD AND DRINK out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
8. CLEAN UP ALL REMOVED PAINT and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surfaces where paint or dust is clinging. DO NOT SWEEP, dry dust or vacuum. Use a high phosphate detergent or trisodium (TSP) to wash and mop areas.
9. AT THE END OF EACH WORK SESSION put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
10. REMOVE PROTECTIVE CLOTHING and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

OPERATING INSTRUCTIONS

The Porter-Cable Drywall Sander is designed for sanding walls and ceilings made of drywall or plaster. The Sander provides a superior finish, and is faster than conventional finishing methods for both new construction and renovation work. Clean-up time for Model 7800 is minimized by the use of an external vacuum cleaner attached to the sander.

ABRASIVE DISC SELECTION

The Drywall Sander is shipped with a 100 grit, abrasive disc installed. This abrasive is suitable for most applications. Abrasive discs of 120 grit and 150 grit are available for situations requiring a smoother finish.

CAUTION: Do not attempt to use any abrasives other than those recommended by Porter-Cable.

HOW TO HOLD A DRYWALL SANDER

The Drywall Sander should be held with both hands on the main tube. The hands may be positioned anywhere along the main tube to provide the best combination of reach and leverage for the particular application.

CAUTION: Keep your hands on the main tube. Keep away from the sanding head area. The sanding head swivels in multiple directions and could pinch your hand.

CONNECT MODEL 7800 DRYWALL SANDER TO VACUUM CLEANER

The following items are furnished with the Model 7800 Drywall Sander:

1. One vacuum hose. The hose is 13 feet long with a standard 1 -1/4" vacuum cleaner connector on one end and a special swivel connector on the Sander end. It has a static dissipating feature to dissipate static electrical charges that are sometimes experienced when recovering drywall dust.
2. One 11/4" to 21/2" adapter (adapts the 11/4" hose connector to fit a 21/2" vacuum cleaner).
3. Three straps to connect the Sander cord to the vacuum hose (to prevent tangling).

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TO START AND STOP DRYWALL SANDER

Be certain that the power circuit voltage is the same as that shown on the specification plate of the tool, and that the switch is OFF. Connect the tool to the power circuit.

The Drywall Sander is equipped with a "rocker" type switch. The top end of the switch button is labeled "OFF", and the bottom end of the button is labeled "ON". To start the Sander, press the bottom (ON) end of the switch. To stop the Sander: press the top (OFF) end of the switch.

SPEED CONTROL

The Model 7800 Drywall Sander is equipped with a variable speed control. The speed is adjusted by turning the control knob (B) Fig. 4. The control knob is numbered "1" through "5". The setting "1" is the slowest speed (approximately 1000 RPM) and "5" is the fastest speed (approximately 2,000 RPM).

Use the higher speed settings for fast stock removal. Use the lower speed setting to reduce removal rate for more precise control. The Model 7801 Drywall Sander has a constant speed of 2,000 RPM.

SANDING DRYWALL

The Drywall Sander has a unique articulating sanding head. the head can swivel in multiple directions, allowing the abrasive pad to conform to the work surface. This action enables the operator to sand the top, middle, and bottom of a wall or ceiling joint without changing position.

1. Turn the vacuum cleaner switch "ON". (Model 7800 only).
2. CAUTION: Wear a respirator approved by NIOSH for "Dust and Mist".
3. Turn Drywall Sander switch "ON".
4. Position the Drywall Sander lightly against the work surface. Apply just enough pressure to align the sanding head with the work surface.
5. Apply additional pressure to engage the abrasive pad on the work surface. Move the Sander in an overlapping pattern to smooth the drywall compound down to a "featheredge".

Apply ONLY enough pressure to keep the abrasive pad flat against the work. Excessive pressure can cause unacceptable swirl marks and unevenness in the work surface.

Keep the Sander in constant motion while the abrasive pad is in contact with the work surface. Use a steady, sweeping motion. Stopping the Sander on the work, or moving the Sander erratically can cause unacceptable swirl marks and unevenness in the work surface.

NOTE: Do not allow rotating abrasive pad to contact sharp protrusions. Contact with protruding objects (nails, screws, electrical boxes, etc.), can severely damage the abrasive pad.

ABRASIVE PAD REPLACEMENT

CAUTION: DISCONNECT TOOL FROM POWER SOURCE.

1. Grasp the abrasive pad and the sander housing to prevent pad rotation.
2. Rotate the pad retaining nut counterclockwise and remove.
3. Lift off the large metal washer, and the abrasive pad.
4. NOTE: When the abrasive pad is lifted off the Sander, the abrasive back-up disc is exposed. Please note that this back-up disc is also covered with an abrasive material and is used ONLY to prevent "slippage" between the back-up disc and the foam-backed abrasive pad. it is NOT suitable for use as a sanding abrasive. DO NOT USE THE SANDER WITHOUT A PROPER ABRASIVE PAD
5. Position the new abrasive pad to the back-up disc, and center the hole of the disc on the hub (of the back-up disc).
6. Position the large metal washer and the retaining nut to the Sander.
7. Rotate the retaining nut clockwise to hand tighten (while holding the abrasive pad as described in step 1).

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