

Operation Manual

Drywall Sander

61857



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Description

The drywall sander is ideal for sanding walls and ceilings made of dry construction or plaster. The sander offers exceptional results and is ideal for new buildings as well as renovating older buildings faster than other common processing methods. Please clean the sander and the dust collection bag frequently.

Safety instructions



Attention!



- Please read all the safety regulations and instructions to minimise the risk of injury.
- Please note that when working with electric tools and machinery it is required to wear safety glasses.
- Ensure to wear a dust mask when working with wood and other materials which can release harmful dust particles. Materials containing asbestos are not allowed to be sanded or processed in any way!
- Make sure to wear ear protection against loud noises. Being exposed to loud noises can lead to hearing impairments.

General safety regulations



Warning: Read all safety regulations and instructions. Non-compliance of the safety regulations and instructions can lead to electrocution, fire and/or injury. The term “electric tool” is used throughout this operating manual for both corded tools (with a power supply cable) and cableless tools (battery-operated). **Keep the safety instructions in a secure place.**

Work area

- Work in a clean and well illuminated workplace. Unorganised and badly illuminated workplaces can lead to injury.
- Only work with electric tools in places which are in no danger of exploding and where no flammable liquids, gasses or dusts can be found. Electric tools can create sparks which can light up a fire from dusts and gasses.
- Keep children and other people away from the electric tool whilst working with it. The smallest distraction can lead to loss of control over the tool.
- The plug of the electric tool needs to match the socket. The plug may in no way be manipulated. Do not use an adapter plug together with a grounded electric tool. The original plug and the matching socket minimise the risk of an electric shock.
- Avoid contact of grounded surfaces, such as pipes, heating units, stoves and cooling units. The risk of electric shock is increased if the item is grounded.



- Keep the machine away from rain and moisture. Water running into the electric tool increases the danger of electric shock.
- Do not use the cable of the electric tool to carry or hang the device up with or to pull it out of sockets. Keep the cable away from heat, oil and sharp edges or from items with moving parts. Damaged or knotted cables increase the possibility of electric shock.
- If you work with an electric tool outdoors, only use an extension cable that is suitable to be used outdoors. The risk of electric shock is decreased with extension cables made for outdoors.
- If using the electric tool in a humid area is unavoidable, always use a fault-current circuit breaker to minimise the risk of electric shock.

Personal safety

- Ensure that you are always stay focused on what you are doing and are careful when working with electric tools. Never use any electric tool if you are tired or under the influence of alcohol, drugs, or medicine. The smallest distraction or negligence can lead to serious injuries.
- Always wear your personal safety equipment and protective glasses. Wearing personal protective equipment, such as dust masks, slip-resistant shoes, safety helmets or hearing protections (depending on the use and choice of electric tool/ machinery) reduce the risk of injury.
- Avoid an unintentional activation. Ensure that the machinery is always switched off before connecting it to an electric source and/or a battery or before carrying it. If your finger is located on the "on" button whilst carrying it or the machinery is plugged in whilst already being switched on, it can lead to serious injury.
- Remove the adjustment tool or the spanners before switching the machinery on. Any kind of adjustment tool/ spanner attached to a rotating part of the machinery can cause serious injuries.
- Avoid unnatural body postures by positioning yourself securely and holding your balance.
- This will make it easier to manoeuvre the machinery when unexpected situations arise.
- Always wear suitable clothing. Do not wear any loose clothing or jewellery. Keep hair, clothing, and gloves away from any moving parts. Loose clothing, jewellery or long hair can easily get caught in moving parts.
- If a dust bag can be connected, please ensure that it is connected and used adequately. The use of a dust bag can diminish the risk arising from dust particles.

Right handling using electric tools

- Do not overburden the machine. Use the right tool for the required work. Work can be carried out more efficiently and safer when used in the adequate power range.
- Do not use electric tools with a damaged power switch. An electric tool which cannot be switched on/off any more is dangerous and needs to be repaired.
- Pull the plug out of the socket and/or remove the battery before adjusting the machine, exchanging parts, or storing it. These additional measurements help to hinder an unexpected starting of the electric tool.
- Store electric tools out of the reach of children. Do not allow other people to operate this electric tool if they have not read and understood this operating manual. Electric tools are dangerous if operated by inexperienced people.
- Take care of your electric tools. Check if all moving parts are working accordingly and are not jammed or stuck, if any parts seem to be broken or damaged (affecting the functionality of the electric tool in any way), make sure to repair the damaged parts before using the machinery. A lot of accidents happen due to poor maintenance of electric tools.
- Use the electric tool, its equipment, and spare parts according to its instructions. Please consider the working conditions and the work needing to be executed. The use of an electric tool for anything else except the intended purpose can lead to dangerous situations.

Maintenance

When repairing the electric tool, the maintenance work needs only be carried out by specialists and only with original spare parts. This ensures that all safety of the machine is still assured.

Attention! The dust released from working with this product can damage your health:



- Always wear protection for your eyes and respiratory tract (dust masks) when working with sanding/grinding machines.
- Do not work with materials containing asbestos. Asbestos is known to be cancerous.
- When working with materials containing lead, especial caution needs to be in place: All people that work with the electric tool or enter the working area need to wear a special mask to protect them from the lead dust particles in the atmosphere,
- Children and pregnant women are not allowed to enter the working area.
- It is prohibited to eat, drink or smoke in the working area.
- Inhaling or coming in contact with the dust from the sanding (e.g., lead-based varnish coating) can impact the health of the person. Always wear appropriate personal safety equipment, such as a dust mask, etc. and use a dust collection bag when working with the tool. The power supply cable needs to be kept away from moving parts of the machinery.

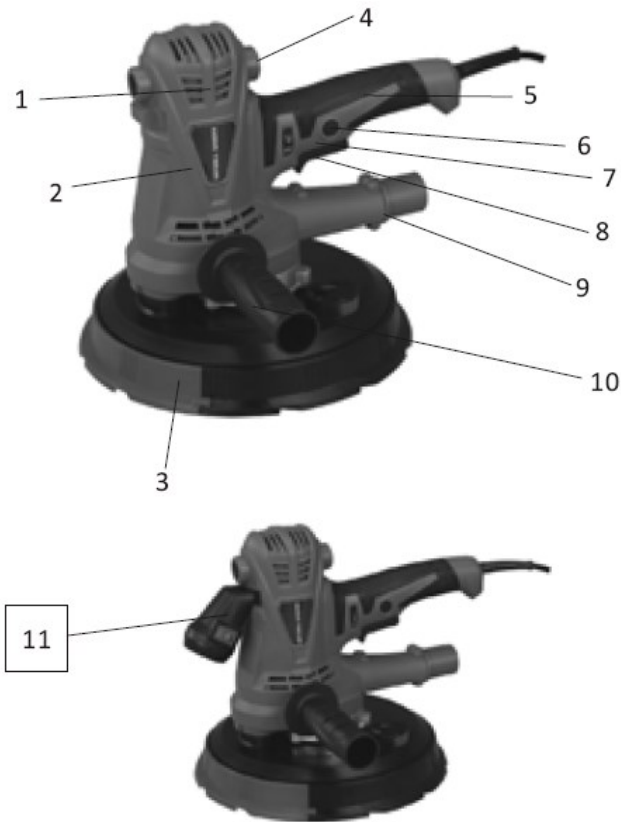
Safety instructions for drywall sanding

- Use a **certified respiratory mask** against dust particles. Keep the working place thoroughly aired and/or use a dust collector. Being exposed to air with a high concentration of dust particles can affect the respiratory tract.
- Ensure your **positioning is steady** and you can always **hold your balance**. Only use **suitable scaffolding**.
- Sanding lead-based colours is not recommended. Any lead-based colours should be removed by a specialist.
- Drywall sanding can cause an electro static charge within the machine. Thus, the drywall sander is grounded.
- The drywall sander is connected to a dust collection bag which is operated via an absorption system does not require being connected to a vacuum cleaner.

Technical data

Input voltage (V)	230
Frequency (Hz)	50
Power (W)	900
Rotary speed (1/min)	1400–2700
Rotary disc diameter (1/min)	180
Weight (kg)	3

Components



Nº	Name	Nº	Name
1	Aeration holes	7	Step switch
2	High-performance engine	8	Switch
3	Rotary disc	9	Connection piece for dust bag
4	Carbon brush	10	Side handle
5	Handle	11	LED lamp
6	Speed control		

Accessories



Name	Qty.	Name	Qty.
Drywall sander	1	Extraction hose 2 m	1
Guide handle	1	Connection adapter	1
Sanding discs	6	Hex key	1
Carbon brushes	2	Dust bag	1

Included sanding discs

The drywall sander is delivered with 6 sanding papers (80, 100, 120, 150, 180, and 240 grit). The grit sizes are suitable for most applications. For workpieces, which require a smooth finish, the 120 and 240 grit sizes are the ideal choice.

Installation

Before repairing or exchanging parts or equipment of the electric tool, the plug needs to be removed from the socket.

Choice of sanding discs

Depending on the material and the grade of sanding, following sanding papers should be chosen:

Material	Area of application	Grit
Pigment	Pigment removal	40
Colour	Colour removal	60
Filling material	Grinding of floor pigments (e.g., to finish the floor)	80
Interspace material	Coating colour, grinding residues	100
	Convex and drop-shaped pigment residues	120
	Floor preparation for varnish coating	180

Exchanging the sanding papers

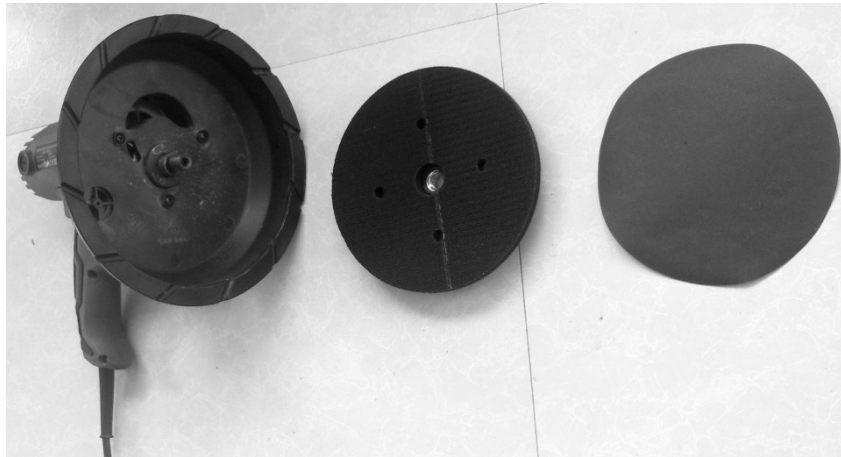
Before attaching the new sanding paper, all residues and dirt need to be brushed off. The adhesive disc is covered with a material for a quick and easy mounting. The sanding pad is pushed into the adhesive material.



Do **not** use the drywall sander without attaching an adequate sanding sheet (this prevents damaging any work pieces).

Exchanging sanding discs

The hex key is placed in the centre hole of the output shaft of the sanding plate and turned clockwise. The sanding sheet can be removed when firmly holding the sanding plate.



Attaching the dust bag

To protect the operator and to reduce dust during the work process (and thus cleaning up afterwards) please connect the electric tool with the dust bag. As pictured below, one end needs to be connected to the suction pipe and the other end to the dust bag.

Caution: If you do not use a dust bag which suitable for drywall dust, the amount of dust particles in the air will increase in the working area. Exposures of longer duration to increased amounts of dust in the atmosphere can affect the respiratory tract.





Speed settings (dependant on model)

The rotation speed of the sanding disc can be adjusted according to the conditions and requirements to the quality of sanding. The drywall sander is equipped with a variable speed control. The speed is set by turning the control knob. The operating button is marked from “1” to “6,” 1 being the slowest setting (approx. 1500 1/min) and “6” the fastest (approx. 3500 1/min). Use the higher settings for a fast removal. Use the lower range of settings for more precise result.

Starting and stopping the drywall sander

Ensure that the voltage of the electrical circuit used matches up with the one on the type plate of the sander and that the electrical switch is switched **off**. Connect the sander with the electrical circuit. The drywall sander is equipped with a rocker switch. The upper option is to turn the machine **off** and the lower option is to turn the machine **on**. To start the drywall sander: Select the lower option **on** and to stop the drywall sander select the upper option **off**.

Drywall sanding

- The drywall sander has a unique hinged sanding head and a sanding sheet which adjusts the work surface.
- This way the operator is able to sand the top, centre and the bottom of a wall or ceiling joint. When sanding a tall wall or ceiling, please use a ladder to reach the higher areas.
- The sanding pad is able to adjust the sanding height autonomously when encountering a uneven wall.
- **Attention:** Wear a respiratory mask that is qualified for dust.
- Switch the drywall sander **on**.
- Position the drywall sander gently against the surface needing to be processed.
- Use light pressure to press the sanding disc of the drywall sander against the work surface. Move the drywall sander in an overlapping pattern to sand the work surface down.
- Keep the sander in constant movement whilst holding contact to any surface. Use an even swinging movement. Stopping the sander (on the surface) or moving it irregularly can lead to undesired and uneven results of the work surface.

Attention: Do not touch sharp edges with the rotating sanding pad. Touching protruding items (nails, screws, distribution boxes, etc.) can damage the sanding disc.



Maintenance

Keep the tools clean and always remove dust and other pollutants. To keep the tool well maintained it should frequently be lubricated (transmission, bearing) to keep the tool flexible in its use. Always check the electricity cable, the plug and the switches to ensure the machine is in a good condition. The produced tools are subject to strict quality controls.

Exchanging the carbon brushes

If the carbon brushes have reached their wear limit they need to be exchanged. Loosen the screw of the cover of the carbon brushes with a slot screwdriver. Then remove the cover and replace the original carbon brushes with the ones included in delivery. Place the cover back on and screw it on tightly.



Please note:

- The sander has a built in self absorbing system, thus connecting a vacuum cleaner is not necessary.
- The drywall sander has a special construction on its shaft which is connected to the sanding pad. If the sander encounters an uneven surface whilst sanding, the sanding pad can adjust autonomously and allows for smooth results never the less.
- Inner structure: two casing elements protect the motor from dust.
- The dust bag has a small hole from where air can escape. If the dust bag is filled up to 50 % with dust, please empty it out.
- When you finish working with the sander, please hold it against the surface to allow it to absorb any remaining dust particles for a few seconds longer.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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