



TILSWALL JS-FB17AI Hvilp Floor Based Spray Gun Instruction Manual

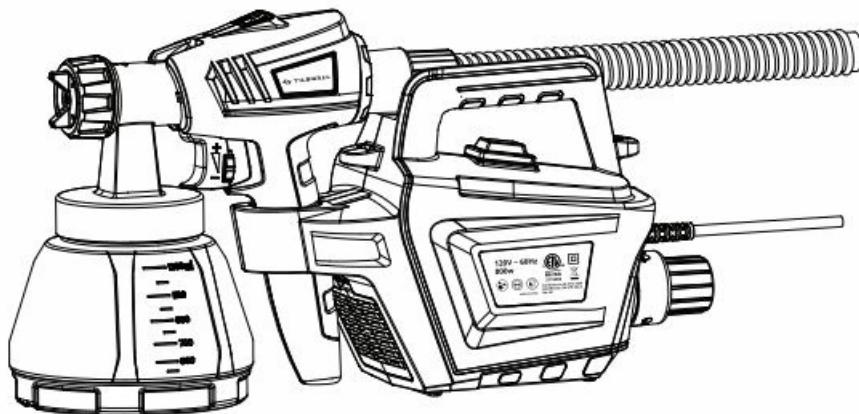
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TILSWALL JS-FB17AI Hvilp Floor-Based Spray Gun



Warning!

When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

safe operations

1. Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Consider work area environment. Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children away. Do not let visitors touch the tool or extension cord. All visitors should be kept away from area.

2. Electrical safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs which earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Guard against electric shock. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock. Always use tool in conjunction with a residual circuit breaker device.

3. Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering

to contain long hair.

- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.
- Use clamps or a vice to hold work. It's safer than using your hand and it frees both hands to operate tool.

4. Power tool use and care

- Do not force the tool. It will do the job better and safer at the rate for which it was intended.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle tools. When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purpose not intended; for example, do not use circular saws to cut tree limbs or logs.
- Damaged switches must be replaced at a customer service repair centre. Do not use power tools that cannot be switched on and off.
- Do not leave power tools unattended while they are switched on. Always switch off the tool and wait until it has come to a full standstill before leaving.
- If the mains cable has been damaged, it must be replaced with a special mains cable. These can be obtained from the manufacturer or the manufacturer's customer service department. The mains cable may only be replaced by the manufacturer, the manufacturer's customer service department or equally qualified persons.

5. Service

- Please use a qualified expert who uses original replacement parts to repair your power tool. This will ensure proper functioning of the power tool.
- Caution! The use of any accessories or additional tools other than those recommended in this manual may lead to an increased risk of injury. Only use original replacement parts.

Additional safety instructions

- NEVER SPRAY AT PERSONS – Never aim the nozzle at another person or animal. Never allow the spray to come into direct contact with the skin.
- FLASH POINT -This spray gun must not be used for spraying flammable paints and solvents with a flash point of less than 21 °C.
- VENTILATION -Always make sure that there is adequate ventilation in the work area when spraying.
- BASKET NOZZLE -Always keep the spray basket nozzle in place during use.
- CONSIDER WORK AREA ENVIRONMENT -Do not use spray guns where there is a risk of fire or explosion.
- BEWARE OF ANY HAZARD -Beware of any hazard by the material being sprayed and consult the markings on

the container or the information supplied by the manufacturer.

- **DO NOT SPRAY** -Do not spray any material where the hazard is not known.
- **USE EYE PROTECTION** -Always use appropriate eye protection to keep hazardous vapors or fumes out of the eyes.
- **WEAR A MASK** -Never operate a spray gun without wearing a face mask.
- **PROTECT YOUR EARS** -Wear ear protectors if the sound pressure exceeds 85 dB(A).
- **MAINTAIN YOUR TOOLS** -Keep your spray gun, paint container and nozzles clean. Do not clean with flammable liquids with a flash point less than 21 °C. Inspect the mains lead periodically and if damaged have it replaced by a qualified person.
- **NAKED FLAMES** -Never spray near a naked flame or appliance pilot flame.
- **SMOKING** -Never smoke whilst spraying.
- **THINNING**-Always read the paint manufacturers thinning recommendations or instructions before using paint or other materials.
- **DISCONNECT FROM THE MAINS SUPPLY** -Always disconnect from the mains supply when filling the paint container or cleaning the spray gun.
- **SWITCH OFF WHEN NOT SPRAYING** -Avoid running the unit with the flow rate knob fully closed for any length of time.

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.


Intended Use

Coating Materials – Suitable for Use

Water- and solvent-based paints, finishes, primers, 2-component paints, clear finishes, automotive finishes, staining sealers and wood sealer-preservatives.

Coating Materials – Not Suitable for Use

Alkali and acidic paints.

Technical Data	
Rated voltage	120V – 60Hz
Rated power input	800W
Double insulation	
Nozzle size	2.6mm; 1.8mm; 1.0mm

USE

Preparing the Coating Material

Before spraying, the material being used may need to be thinned with the proper solvent as specified by the material manufacturer. Never exceed the thinning advice given by the coating manufacturer.

Note: Material to be sprayed should always be strained to remove any impurities in the paint which may enter and clog the system. Impurities in the paint will give poor performance and a poor finish.

Thinning chart:

Material	Runout Time (seconds)
Oil enamel	25-45
Oil based primer	30-50
Varnish	20-55
Lacquer/ lacquer sanding sealer	25-40
Oil stain	No thinning required
Clear sealer	No thinning required
Polyurethane	No thinning required
Material flash point must be 70°F (21°C) or higher.	

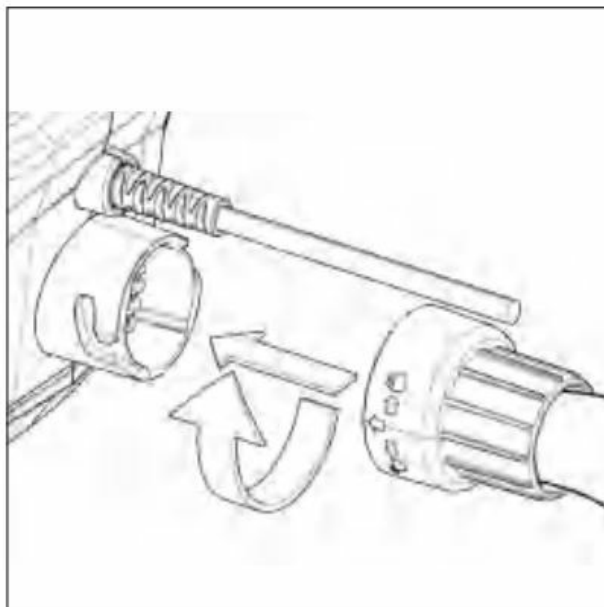
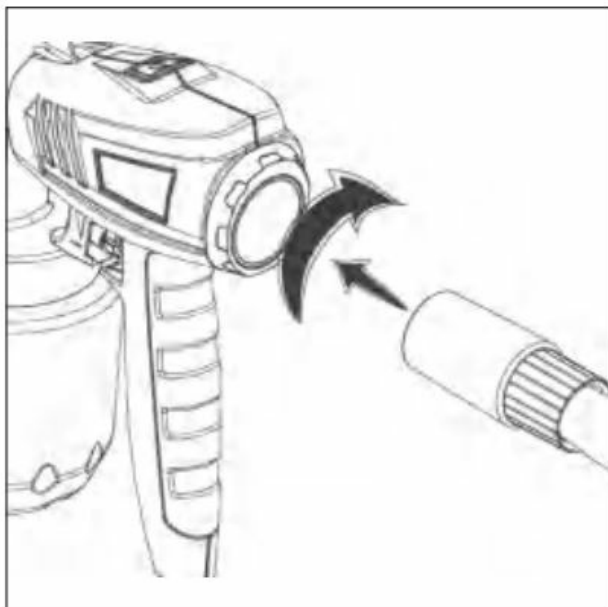
Hold the test cup up and measure the time in seconds until the liquid empties out. This time is called “Runout Time in Seconds”.

Note: Stir the spraying material thoroughly before measuring and fill into the canister.

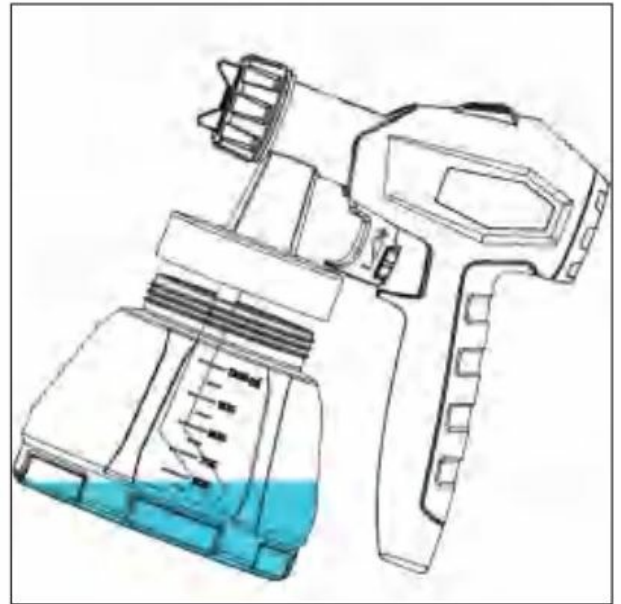
Start-up

Before connecting to the mains supply, be sure that the supply voltage is identical with the value given on the rating plate.







1. Mount air hose. Insert the air hose coupler tightly in the connections on the machine and the spray gun .



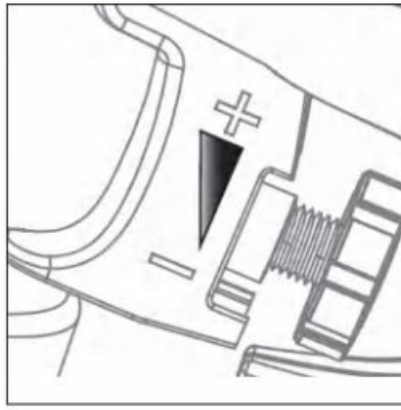
2. Unscrew the container from the spray gun. Align suction tube. The container contents are to be sprayed out almost completely. When spraying horizontal surfaces, turn suction tube forward (A). When spraying objects overhead, turn suction tube back (B).



3. Pour in the prepared coating material and screw the container tightly onto the spray gun.
4. Put the machine down only on a level, clean surface. Otherwise the machine could suck in dust, etc.
5. Adjust the spray setting on the spray gun. Three different spray jet settings can be chosen on the spray gun, depending on the application and target object.

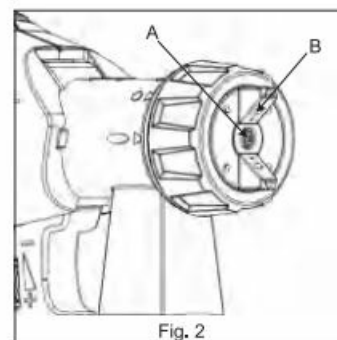
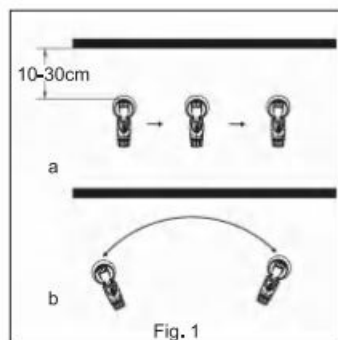
Setting		
		
		

6. Push the ON / OFF switch on the machine and start painting.
7. Adjust the material volume. Set the material volume by turning the regulator knob on the trigger.



Spray Technique

- The spray result depends heavily on the smoothness and cleanliness of the surface to be sprayed. Therefore, the surface should be carefully prepared and kept free of dust.
- Cover all surfaces not to be sprayed.
- Cover screw threads or similar parts of the target object.
- It is advisable to test the spray gun on cardboard or a similar surface to find the correct setting. Important: Begin spraying outside of the target area and avoid interruptions inside the target area.
- Correct (Fig. 1 a): Be sure to hold the spray gun at an even distance of approx. 10- 30cm to the target object.
- Incorrect (Fig. 1 b): Heavy spray fog build-up, uneven surface quality.
- An even movement of the spray gun results in an even surface quality.
- When coating material builds up on the nozzle (A) and air cap (B) (Fig. 2), clean both parts with a solvent or water.



Interruption of Work

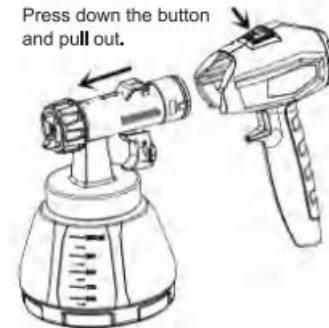
- Turn the machine off.
- Put the spray gun in the spray gun holder.

Taking Out of Operation and Cleaning

1. Turn the machine off. Activate the trigger guard so that the coating material in the spray gun flows back into the container.
2. Unscrew the container. Empty any remaining coating material back into the material tin.
3. Pre-clean the container and feed tube with a brush.
4. Pour solvent or water into the container. Screw the container back on. Use only solvents with a flashpoint over

21 °C.

5. Turn on the machine and spray the solvent or water into a container or a cloth.
6. Repeat the above procedure until the solvent or water emerging from the nozzle is clear.
7. Turn the machine off.
8. Then empty the container completely. Always keep the container seal free of coating material residue and check for damage.
9. Press down the quick release button and pull out the front part of the spray gun. Clean it thoroughly.



10. Clean the outside of the spray gun and container with a cloth soaked in solvent or water.
11. Unscrew the union nut and remove the air cap and nozzle. Clean the air cap and nozzle with a brush and solvent or water.

Maintenance

1. Change the Air Filter

Change the air filter if it is soiled. Release the cover fastening from the machine, place the air filter in the cover. Push the cover back onto the machine.

WARNING! Never operate the machine without the air filter; dirt could be sucked in and interfere with the function of the machine.




2. Correction of Malfunctions

Problem	Cause	Remedy
No coating material emerges from the nozzle.	Nozzle is clogged.	Clean
	Feed tube is clogged.	Clean
	Material volume setting is turned too far to the downside(-).	Turn to the upside(+)
	Feed tube is loose.	Insert
	No pressure builds up in container.	Tighten container
	Viscosity of coating material is too high.	Thin the paint
Coating material drips from the nozzle.	Nozzle is loose.	Tighten nozzle
	Nozzle is worn.	Change nozzle
	Coating material is assembled at air cap, nozzle or needle.	Clean
Atomization is too coarse.	Viscosity of coating material is too high.	Thin
	Material volume is too large.	Turn material volume adjusting screw to the downside(-)
	Nozzle is contaminated.	Clean
	Air filter is heavily soiled.	Change
	Too little pressure builds up in container.	Tighten container

Environmental Protection

The appliance and accessories should be recycled in an environmentally friendly way. Do not dispose of the appliance with household waste. Support environmental protection by taking the appliance to a local collection point or obtain information from a specialist retailer.

- After-sale Service: support@tilswall.com
- Official website: www.tilswall.com

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References

- [User Manual](#)