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> Tilswall HVLP Paint Sprayer User Manual

TILSWALL TW-Alien 500-Parents-CA

Tilswall HVLP Paint Sprayer User Manual

Model: TW-Alien 500-Parents-CA

Brand: TILSWALL

1. INTRODUCTION

Thank you for choosing the Tilswall HVLP Paint Sprayer. This ultra-lightweight paint spray gun is designed for both DIY enthusiasts and professional tasks, offering efficient and precise paint application for various surfaces. Please read this manual thoroughly before operation to ensure safe and effective use of the product.



Figure 1: Tilswall HVLPAINT SPRAYER with its components, including the main spray gun unit, paint container, and various nozzles.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent personal injury or damage to the product:

- **Read all instructions:** Familiarize yourself with the sprayer's operation and safety guidelines before use.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and a respirator, especially when spraying paints or solvents.
- **Ensure proper ventilation:** Use the sprayer in a well-ventilated area to avoid inhaling fumes.
- **Keep children and pets away:** Do not allow children or pets near the work area.
- **Do not spray flammable materials:** Avoid spraying highly flammable liquids near open flames or ignition sources.
- **Disconnect power:** Always unplug the sprayer before cleaning, maintenance, or changing parts.
- **Check for damage:** Inspect the power cord, housing, and components for any damage before each use.

3. COMPONENTS AND PARTS LIST

The Tilswall HVLP Paint Sprayer package includes the following items:

- 1 x Paint Spray Gun Unit
- 1 x 600ml Paint Container
- 4 x Nozzles (1.0 mm, 1.5 mm, 1.5 mm, 2.0 mm)
- 5 x 190 Micron Filter Paper
- 1 x Cleaning Needle
- 1 x Thru Needle
- 1 x Cleaning Brush
- 1 x English User Manual (this document)

3 SIZES OF NOZZLES



Extensive use of different projects

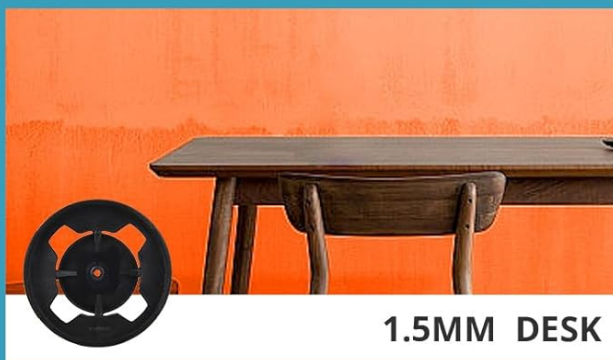
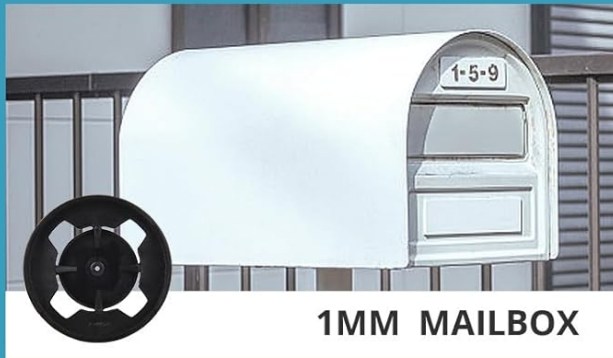


Figure 2: The paint sprayer comes with multiple nozzle sizes (1.0mm, 1.5mm, 2.0mm) for various applications, allowing for different spray patterns and paint flow.

4. SETUP

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1. **Prepare the Work Area:** Ensure the area is clean, well-ventilated, and free from obstructions. Cover any surfaces not intended for painting.
 2. **Select the Correct Nozzle:** Choose the appropriate nozzle size (1.0mm, 1.5mm, or 2.0mm) based on the paint viscosity and desired spray pattern.
 - *1.0mm:* Ideal for fine detail work or thin materials like stains.
 - *1.5mm:* Suitable for general purpose painting with medium viscosity paints.
 - *2.0mm:* Best for thicker paints or larger surfaces, providing faster coverage.
 3. **Prepare the Paint:**
 - The sprayer is compatible with oil-based, latex, and epoxy paints.
 - **Thinning Paint:** It is crucial to thin the paint before use to achieve an even and smooth finish. The maximum viscosity supported is 100 DIN-s. Use the included viscosity cup (if available, not explicitly listed but implied by DIN-s) or follow paint manufacturer's recommendations for thinning.
 - **Filtering Paint:** Always filter the paint through the provided 190 micron filter paper to prevent clogging of the nozzle.
 4. **Fill the Container:** Pour the prepared paint into the 600ml paint container. Do not overfill.
 5. **Attach the Container:** Securely screw the paint container onto the spray gun unit.
 6. **Connect Power:** Plug the sprayer into a standard AC power outlet.

5. OPERATING INSTRUCTIONS

1. **Adjust Spray Pattern:** The sprayer offers three spray patterns:
 - **Vertical Pattern:** For horizontal surfaces.
 - **Horizontal Pattern:** For vertical surfaces.
 - **Round Pattern:** For small areas or detailed work.

Rotate the air cap to select the desired pattern.
2. **Adjust Flow Control:** Use the adjustable flow control knob located on the sprayer to regulate the paint output. Start with a lower setting and gradually increase until the desired flow is achieved.
3. **Test Spray:** Before painting your main project, always perform a test spray on a piece of scrap material to check the spray pattern and flow. Adjust as necessary.
4. **Spraying Technique:**
 - Hold the sprayer approximately 6-8 inches (15-20 cm) from the surface.
 - Maintain a consistent distance and speed for even coverage.
 - Move the sprayer in smooth, overlapping passes.
 - Release the trigger at the end of each pass to avoid paint buildup.
5. **Multiple Coats:** If multiple coats are required, allow sufficient drying time between coats as recommended by the paint manufacturer.

3 SPRAY METHODS



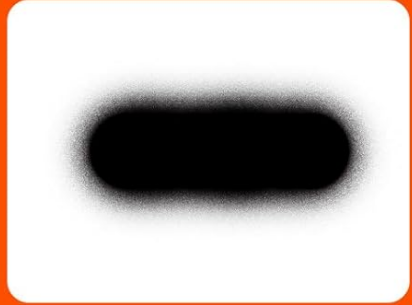
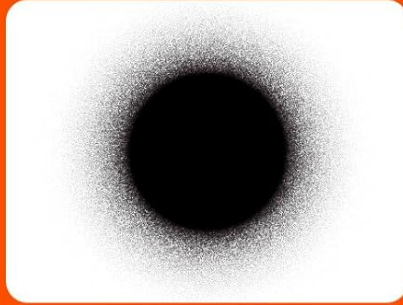
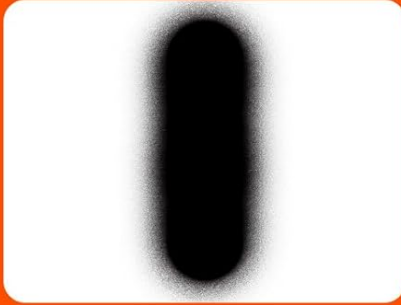
Vertical Pattern



Round Pattern



Horizontal Pattern



ADJUSTABLE FLOW CONTROL



Figure 3: The sprayer features three distinct spray patterns and an adjustable flow control knob for precise application.



Max. spray viscosity 100din-S

Suitable for a wide range of wood, Wall and metal paints as well as Anti-Corrosion Coatings.

Figure 4: The Tilswall paint sprayer is capable of handling paints with a maximum viscosity of 100 DIN-s, suitable for various wood, wall, and metal paints.

6. MAINTENANCE

Proper cleaning and maintenance are essential for the longevity and optimal performance of your paint sprayer. **Clean immediately after each use to prevent clogging.**

1. **Empty Paint Container:** Disconnect the power. Empty any remaining paint from the container back into its original can.
2. **Rinse Container:** Fill the container with an appropriate cleaning solution (water for water-based paints, mineral spirits for oil-based paints).
3. **Spray Cleaning Solution:** Reattach the container and spray the cleaning solution through the gun until it runs clear. This cleans the internal passages.
4. **Disassemble and Clean:**
 - Unscrew the paint container and remove the nozzle assembly.
 - Use the provided cleaning brush and cleaning needle to thoroughly clean the nozzle, air cap, and paint tube.
 - Clean the exterior of the spray gun with a damp cloth.
5. **Test with Clean Water:** After cleaning, fill the container with clean water and spray to ensure all paint residue is removed and

the sprayer functions correctly. If it sprays clear, cleaning is complete.

6. **Storage:** Store the clean and dry sprayer in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No spray or weak spray	Nozzle clogged, paint too thick, air cap blocked, paint container empty.	Clean nozzle and air cap. Thin paint. Refill container.
Uneven spray pattern	Nozzle partially clogged, incorrect spray pattern setting, inconsistent spraying distance.	Clean nozzle. Adjust air cap. Maintain consistent distance.
Paint drips or leaks	Nozzle or air cap not tightened, paint too thin, worn seals.	Tighten components. Adjust paint thinning. Contact support if seals are worn.
Motor runs but no paint sprays	Suction tube blocked, paint container not sealed properly.	Clean suction tube. Ensure container is tightly sealed.

8. SPECIFICATIONS

- **Model Name:** TW-Alien 500-Parents-CA
- **Brand:** TILSWALL
- **Power Source:** AC
- **Tank Volume:** 600 Milliliters
- **Max. Viscosity:** 100 DIN-s
- **Nozzle Sizes:** 1.0 mm, 1.5 mm, 2.0 mm (4 nozzles included, with 1.5mm duplicated)
- **Product Dimensions:** 7.01"W x 6.89"H
- **Item Weight:** 2.86 pounds
- **Material:** Plastic
- **Style:** Handheld

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or visit the official TILSWALL website. You can also contact customer service through the retailer where you purchased the product.

TILSWALL Store Link: [Visit the TILSWALL Store on Amazon](#)