

TILSWALL Dreamer400

Tilswall Dreamer400 Electric Paint Sprayer User Manual

Model: Dreamer400

1. INTRODUCTION

Thank you for choosing the Tilswall Dreamer400 Electric Paint Sprayer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your paint sprayer. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This includes, but is not limited to:

- **Read all instructions:** Familiarize yourself with the controls and proper use of the equipment.
- **Wear appropriate personal protective equipment (PPE):** Always wear eye protection, a respirator mask, and gloves when operating the paint sprayer.
- **Ensure proper ventilation:** Use the sprayer in a well-ventilated area to avoid inhaling paint fumes.
- **Keep work area clean:** Cluttered areas invite accidents.
- **Avoid flammable materials:** Do not spray near open flames, pilot lights, or other ignition sources.
- **Disconnect power:** Always unplug the sprayer before cleaning, adjusting, or performing maintenance.
- **Keep children away:** Do not allow children or untrained persons to operate the sprayer.
- **Use correct power source:** Ensure the power supply matches the requirements specified on the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Tilswall Dreamer400 Paint Spray Gun
- 5 x 190 micron Filter Paper
- 3 x Nozzles (1.3mm, 1.8mm, 2.6mm)
- 1 x Cleaning Needle

- 1 x Thru Needle
- 1 x Cleaning Brush
- 1 x English User Manual
- 1 x Viscosity Cup
- 1 x Tip Card

4. PRODUCT OVERVIEW

The Tilswall Dreamer400 is an ultra-light electric paint spray gun designed for various painting tasks. It features a powerful motor and a 1000 mL paint container for efficient application.



Figure 4.1: Tilswall Dreamer400 Paint Sprayer highlighting its compact and lightweight design.



Figure 4.2: User holding the Tilswall Dreamer400, demonstrating its ergonomic design.

5. SETUP

5.1. Assembly

The paint sprayer comes partially assembled. Follow these steps to prepare it for use:

1. Ensure all components are clean and free from debris.

- 2. Attach the paint container to the spray gun body by twisting it securely.
- 3. Select the appropriate nozzle for your project (see section 5.3).
- 4. Insert the selected nozzle into the spray gun and secure it with the cap nut by turning it clockwise until tight.
- 5. Always tighten the trigger screw before use to prevent air leaks.

EXPERT SPRAY TIPS & ADVICE

What is the correct procedure for thinning paint?

1. Preparation

✓ Filter the paint through a 150-190µm strainer to remove debris.

✓ Select the correct thinner based on paint type.

2. Thinning Process

1) Add thinner gradually (5% by volume at a time).

2) Stir thoroughly (2-3 minutes) until fully blended.

3) Test viscosity using a DIN viscosity cup: Ideal range — 100-120 seconds at 20°C (68°F).

>120s? Add 3-5% more thinner, then retest.

<100s? Discard—over-thinned paint won't adhere properly.

Using unfiltered or improperly thinned paint, which causes:

▲ Clogged nozzles

▲ Uneven coverage

▲ Premature gun wear

For hassle-free spraying, we recommend Tilswall water-based multi-surface paint—a ready-to-use formula requiring no thinning, compatible with wood, walls, metal.

Figure 5.1: Visual guide for assembly, spraying, and cleaning processes.

5.2. Paint Preparation and Dilution

Proper paint preparation is crucial for optimal spraying results and to prevent clogging. Most paints require thinning to achieve the correct viscosity.

- 1. Pour paint into a clean mixing cup.
- 2. Add thinner (water for water-based paints, appropriate thinner for oil-based paints) little by little.
- 3. Stir the paint evenly until fully blended.
- 4. Measure the flow-out time using the included viscosity cup. The ideal range is typically 100-120 seconds at 20°C (68°F).
- 5. Filter the paint through a 150-190 micron strainer to remove debris before pouring it into the sprayer's container.

Do not over-dilute the paint. If the flow time is over 120 seconds, add 3-5% more thinner and retest. If under 100 seconds, the paint is too thin and may not adhere properly.

EXPERT SPRAY TIPS & ADVICE

How much paint does the cup hold (in milliliters and ounces)? Capacity: 600ml (20.2 fl.oz)

· Note: Paint not included with spray gun

· For best results: ✓ Thin paint to 100 DIN seconds

✓ Or purchase our ready-to-spray paint (no thinning needed)

Is the included power cord long enough for outdoor use without requiring an extension cord?

· Standard Cord: 1.5m (59")

· Suitable for: ✓ Temporary outdoor tasks near outlets (≤30 minutes)

✓ Protected areas (under eaves/dry patios)

What are the key preparatory steps before spray painting?

1. **Thin paint** to target viscosity (Test method: Paint should flow through funnel in 100±5 seconds).

2. **Protect unpainted surfaces** using high-quality tape and masking materials.

3. **Verify nozzle size** (1.5mm for desk, 2.0mm for wall) and tighten securely.

4. **Adjust the flow knob.**

5. **Test spray pattern** on cardboard at 20cm distance.

Figure 5.2: Step-by-step guide for paint dilution and a reference table for paint viscosity.

Paint Viscosity Reference:

Paint Type	Recommended Viscosity (seconds)
Solvent-based Primer	20-40 sec
Solvent-based Paint	15-40 sec
Water-based Primer	25-40 sec
Water-based Paint	20-35 sec
Emulsion Paint	30-40 sec
Automotive Primer	25-40 sec
Wood Preservatives / Oil / Disinfectants	No Dilution Required

5.3. Nozzle Selection and Installation

The Dreamer400 includes three nozzle sizes for different applications:

- **1.3mm Nozzle:** Best for thin paints like sealers and varnish, and for small, detailed surfaces.
- **1.8mm Nozzle:** Suitable for general-purpose spraying with thin to medium viscosity paints.
- **2.6mm Nozzle:** Ideal for thicker paints such as latex, chalk, or milk paint, and for large area coverage.

To install or replace a nozzle:

1. Remove the cap nut by turning it counter-clockwise.
2. Separate the air cap and nozzle assembly.
3. Select the proper nozzle size for your project.
4. Align and seat the new nozzle into the gun's orifice.
5. Reattach the air cap and tighten the cap nut clockwise.

6. OPERATING INSTRUCTIONS

6.1. Spray Patterns

The sprayer features three adjustable spray patterns: vertical, horizontal, and circular. Adjust the air cap to select the desired pattern:

- **Vertical (180°):** For moving the sprayer side to side.
- **Horizontal (90°):** For moving the sprayer up and down.
- **Circular (45°):** For free movement and small areas.

COMPARE	 DREAMER 400	 ROLLER	 BRUSH
108ft ² Wall	✓ 20 mins	✗ 60 mins	✗ 90 mins
11ft ² Cabinet	✓ 5 mins	✗ 15 mins	✗ 20 mins
Paint	✓ Save 25%	\	\

Figure 6.1: Illustration of the three adjustable spray patterns and their corresponding movements.

6.2. Flexible Flow Control

The sprayer is equipped with a flexible flow control knob, allowing you to adjust the paint output from 0 mL/min to 450 mL/min. Turn the knob to increase or decrease the flow rate as needed for your project and paint type.



Figure 6.2: Detail of the flow control knob for adjusting paint output.

6.3. Spraying Techniques

For best results, maintain a consistent distance and speed while spraying. Test the spray pattern on a piece of cardboard at 20cm distance before applying to your project.

- Hold the sprayer perpendicular to the surface.
- Move your entire arm, not just your wrist, to ensure even coverage.
- Overlap each pass by about 50% to avoid streaks.
- Release the trigger at the end of each pass to prevent paint buildup.

ENJOY USE & CLEANING

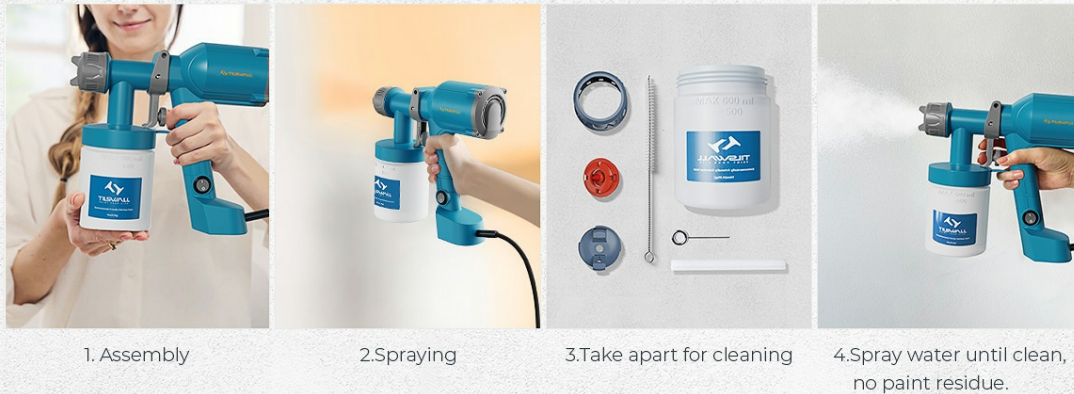


Figure 6.3: Visual comparison demonstrating superior texture, complete coverage, and durable results with the Dreamer400.

7. MAINTENANCE AND CLEANING

Prompt and thorough cleaning after each use is essential to prevent paint accumulation, blockage, and to extend the service life of your sprayer.

1. **Empty Paint Container:** Disconnect the power. Empty any remaining paint from the container.
2. **Initial Rinse:** Fill the container with appropriate cleaning solution (water for water-based paints, mineral spirits for oil-based paints). Spray the solution through the gun until it runs clear.
3. **Disassemble:** Disassemble the nozzle, air cap, and paint container.
4. **Thorough Cleaning:** Use the provided cleaning brush and needle to clean all parts, especially the nozzle and air cap, removing all paint residue.
5. **Motor Protection:** When cleaning, tilt the spray gun downwards to avoid water flowing back into the motor.
6. **Dry and Store:** Ensure all parts are completely dry before reassembling and storing the sprayer in a clean, dry place.

EXPERT SPRAY TIPS & ADVICE

What types of paint can I use with this spray gun?

For hassle-free spraying, we recommend Tilswall water-based multi-surface paint—a ready-to-use formula requiring no thinning, compatible with wood, walls, metal.

Compatible:

- ✓ Water-based paints (latex, acrylics)
- ✓ Oil-based paints (alkyd, enamel)
- ✓ Lacquers (nitrocellulose, CAB-acrylic)
- ✓ Primers (etching, epoxy)
- ✓ Stains & varnishes

Exclusions:

- ✗ Acidic/alkaline coatings (e.g., concrete etchants)
- ✗ Abrasive slurries (e.g., zinc-rich primers)

Why is immediate cleaning necessary after using a paint sprayer?

- **Prevents clogging** – Dried paint blocks nozzles and fluid passages.
 - **Extends gun lifespan** – Solvents and pigments corrode seals over time.
 - **Ensures consistent performance** – Residual paint alters spray patterns.
- ▲ The spray gun should be tilted downwards during cleaning / Avoid water from flowing back into the motor during cleaning.
For detailed cleaning instructions, please contact TILSWALL Support or Service Department for video guidance.

Figure 7.1: Visual guide for detailed cleaning of the sprayer components.

TILSWALL NO THINNING PAINT

Just Open, Paint & Refresh!



Figure 7.2: Demonstrates spraying water until clean (correct) and not cleaning upside down (incorrect).

8. TROUBLESHOOTING

If you encounter issues with your Tilswall Dreamer400, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Spray gun not spraying or working intermittently	Clogged nozzle or air cap Improperly thinned paint Loose trigger screw	Clean nozzle and air cap thoroughly with cleaning needle and brush. Soak in lacquer thinner overnight if needed. Adjust paint viscosity (see section 5.2). Tighten the trigger screw.
Uneven spray pattern or sputtering	Incorrect paint viscosity Partially clogged nozzle Damaged nozzle/air cap	Re-check and adjust paint viscosity. Clean nozzle and air cap. Inspect for damage; replace if necessary.
Paint leaking from nozzle area	Loose cap nut Damaged O-rings/seals	Tighten the cap nut securely. Inspect and replace O-rings/seals if worn or damaged.
Motor runs but no paint sprays	Paint container empty Suction tube blocked Nozzle completely clogged	Refill paint container. Clean suction tube. Thoroughly clean the nozzle.

If these solutions do not resolve your issue, please contact Tilswall Support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Brand	TILSWALL
Model Name	Dreamer400
Power Source	AC
Material	Plastic
Product Dimensions (W x H)	3.66" x 10.5"
Paint Container Capacity	1000 mL
Max Spray Volume	1200 mL/min
Nozzle Sizes Included	1.3mm, 1.8mm, 2.6mm
Spray Patterns	Vertical, Horizontal, Circular
Standard Cord Length	1.5m (59")

10. WARRANTY AND SUPPORT

Tilswall provides responsive customer service and support. If you require assistance or replacement parts, please contact our support team. We offer brand-new replacement parts rather than repairs for eligible issues. For detailed cleaning instructions or video guidance, please contact TILSWALL Support or Service Department.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question