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Voyager Tools SF46017

Professional Grade Cement Mixer 1600W Handheld Electric Mixer User Manual

Model: SF46017 | Brand: Voyager Tools

1. Introduction

Thank you for choosing the Voyager Tools Professional Grade Cement Mixer. This powerful 1600W handheld electric mixer is designed for efficient and thorough mixing of various materials, including concrete, mortar, grout, cement, and paint. With its adjustable speed settings, it provides precise control for a wide range of applications. Please read this manual carefully before operation to ensure safe and optimal performance of your mixer.

2. Important Safety Instructions

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the mixer's operation and safety guidelines before use.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, and heavy-duty gloves. A dust mask is recommended when mixing dusty materials.
- **Work Area:** Keep your work area clean, well-lit, and free of clutter. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:**
  - Ensure the power supply matches the mixer's requirements (120V 60Hz).
  - Use a Ground Fault Circuit Interrupter (GFCI) when operating in damp locations.
  - Do not expose the mixer to rain or wet conditions.
  - Never carry the mixer by its power cord or yank the cord to disconnect it from an outlet.
  - Inspect the power cord for damage before each use.
- **Secure Workpiece:** Ensure the mixing container is stable and secure to prevent tipping during operation.
- **Maintain Control:** Always hold the mixer firmly with both hands. Be prepared for torque reactions, especially when starting or stopping.
- **Avoid Contact:** Keep hands, hair, loose clothing, and other body parts away from the rotating mixing paddle.
- **Unplug When Not In Use:** Disconnect the mixer from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Proper Ventilation:** Ensure adequate ventilation, especially when mixing materials that produce fumes or dust.

- **Children and Bystanders:** Keep children and bystanders away from the operating area.

3. Components and Parts

The Voyager Tools Professional Grade Cement Mixer comes with the following main components:

- **Mixer Unit:** The main body containing the motor, handles, and speed controls.
- **Mixing Paddle (Muddler):** A one-piece stainless steel paddle designed for efficient mixing.



Figure 3.1: Voyager Tools Professional Grade Cement Mixer. This image displays the mixer's orange main housing with ergonomic handles, the motor unit, and the long stainless steel mixing paddle attached at the bottom. The paddle is designed for efficient blending of various materials.

4. Setup

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Paddle Assembly:**
    - Ensure the mixer unit is unplugged from the power source.
    - Align the threaded end of the mixing paddle with the chuck on the mixer unit.
    - Thread the paddle clockwise onto the chuck until it is securely tightened. Use a wrench if necessary to ensure it is firm and will not loosen during operation.
3. **Power Connection:** Once the paddle is securely attached, plug the mixer into a standard 120V 60Hz electrical outlet. Ensure the outlet is protected by a GFCI, especially if working outdoors or in damp conditions.

5. Operating Instructions

Follow these steps for safe and effective operation of your cement mixer:

1. **Prepare Materials:** Place the materials to be mixed into a sturdy, appropriately sized mixing container. Ensure the container is on a stable, level surface.

2. **Submerge Paddle:** Before starting the mixer, fully submerge the mixing paddle into the material. This prevents splashing and reduces strain on the motor.
3. **Start Mixer:** Press the power button to start the mixer.
4. **Adjust Speed:** This mixer features two variable speed settings (0-390rpm). Use the speed adjustment dial or switch to select the appropriate speed for your material. Start at a lower speed to prevent splashing and gradually increase as needed for thorough mixing.
    - **Lower Speeds:** Ideal for thicker, heavier materials like concrete and mortar to prevent air incorporation and splashing.
    - **Higher Speeds:** Suitable for thinner materials like paint or grout, ensuring smooth consistency.
5. **Mixing Technique:** Move the mixer slowly and steadily through the material, ensuring all parts of the mixture are thoroughly blended. Avoid forcing the mixer or applying excessive pressure.
6. **Stop Mixer:** Once mixing is complete, turn off the mixer before removing the paddle from the material.
7. **Clean Paddle:** Immediately clean the mixing paddle after use to prevent material from hardening on it.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your mixer.

- **Cleaning:**
    - After each use, unplug the mixer and immediately clean the mixing paddle. Hardened material is difficult to remove.
    - Use a stiff brush and water to clean the paddle. For stubborn residue, a chisel or wire brush may be used carefully.
    - Wipe down the main mixer unit with a damp cloth. Do not immerse the motor housing in water.
    - Ensure all parts are dry before storage.
- **Inspection:** Periodically inspect the power cord for cuts, fraying, or damage. Check the mixing paddle for bends or excessive wear. Ensure all screws and fasteners are tight.
- **Storage:** Store the mixer in a clean, dry place, out of reach of children and away from direct sunlight or extreme temperatures.
- **Lubrication:** This tool is designed for minimal maintenance. Do not attempt to lubricate internal components unless specified by a qualified service technician.

7. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Mixer does not start.	No power to outlet. Power cord damaged. Internal fault.	Check power outlet with another device; check circuit breaker/GFCI. Inspect cord for damage; replace if necessary. Contact qualified service personnel.
Mixer runs slowly or stalls.	Overload (material too thick). Low voltage. Motor overheating.	Reduce material quantity or add liquid to thin mixture; use lower speed setting. Ensure proper voltage supply. Allow mixer to cool down; ensure proper ventilation.

Problem	Possible Cause	Solution
Excessive vibration or noise.	Mixing paddle loose or bent. Internal component issue.	Unplug and check paddle for tightness or damage; replace if bent. Discontinue use and contact service personnel.

8. Specifications

- **Model:** SF46017
- **Power:** 1600W
- **Voltage:** 120V
- **Frequency:** 60Hz
- **Speed Settings:** Two variable speeds (0-390rpm)
- **Paddle Material:** Stainless Steel
- **Controls:** Push Button
- **UPC:** 708038675749

9. Warranty and Support

For warranty information or technical support regarding your Voyager Tools Professional Grade Cement Mixer, please refer to the warranty card included with your purchase or visit the official Voyager Tools website. You may also contact customer service through the retailer where the product was purchased.

Contact Information: Please refer to your purchase documentation or the manufacturer's official website for the most current contact details.

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