

Einhell TE-MX 1600-2 CE

Einhell TE-MX 1600-2 CE Paint and Mortar Mixer User Manual

Model: TE-MX 1600-2 CE

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Einhell TE-MX 1600-2 CE Paint and Mortar Mixer. Please read these instructions carefully before using the device for the first time and keep them for future reference.

The Einhell TE-MX 1600-2 CE is a powerful and high-quality tool designed for mixing liquid and powdery building materials such as paints, mortar, plaster, and adhesives. Its robust construction and electronic speed control ensure optimal mixing results for various material consistencies.

2. GENERAL SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, injury, and fire hazards.

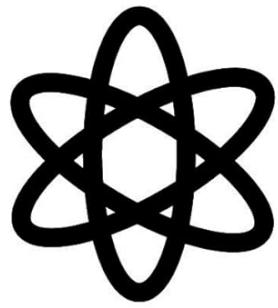
- **Personal Protective Equipment:** Always wear safety goggles, hearing protection, a dust mask, and protective gloves when operating the mixer.
- **Work Area:** Keep your work area clean, well-lit, and free from clutter. Do not operate the mixer in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Ensure the power supply voltage matches the rating on the mixer. Do not expose the mixer to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Secure Grip:** Always hold the mixer firmly with both hands using the ergonomic handles during operation.
- **Material Compatibility:** Only mix materials for which the mixer is designed. Do not use the mixer for mixing food or other non-construction materials.
- **Paddle Attachment:** Ensure the mixing paddle is securely attached before starting the mixer.
- **Unplug When Not in Use:** Disconnect the mixer from the power supply before making any adjustments, changing accessories, or storing the tool.
- **Children and Bystanders:** Keep children and bystanders away while operating the mixer.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your Einhell TE-MX 1600-2 CE mixer.



Figure 1: The Einhell TE-MX 1600-2 CE Paint and Mortar Mixer with its mixing paddle attached. This image shows the overall design, including the motor housing, ergonomic handles, and the M14 threaded shaft with the mixing paddle.



ELECTRONICS



Figure 2: Top view of the mixer, highlighting the motor housing and the ergonomic handle design for comfortable two-hand operation.

HIGH POWER MOTOR

Figure 3: Close-up of the electronic speed control dial, allowing for precise adjustment of mixing speed.

2

GEARS

Figure 4: Detail of the robust M14 tool holder, designed for secure attachment of various mixing paddles.

4. SETUP AND ASSEMBLY

Follow these steps to prepare your mixer for operation.

- 1. Unpacking:** Carefully remove all components from the packaging. Check for any damage during transit.
- 2. Attaching the Mixing Paddle:**
 - Ensure the mixer is unplugged from the power supply.
 - Align the M14 thread of the mixing paddle with the M14 tool holder on the mixer.
 - Screw the paddle clockwise onto the tool holder until it is hand-tight. Use a suitable wrench if necessary to secure it firmly, but do not overtighten.
- 3. Power Connection:** Connect the mixer's power cable to a suitable grounded power outlet (230 Volts).

5. OPERATING INSTRUCTIONS

This section details how to effectively use your paint and mortar mixer.

5.1 Speed Selection

The TE-MX 1600-2 CE features a 2-speed gearbox and electronic speed control for optimal mixing.

- **Gear 1 (Low Speed):** Ideal for heavy, viscous materials like mortar, concrete, or plaster. Provides high torque for thorough mixing. (180 - 480 rpm)
- **Gear 2 (High Speed):** Suitable for lighter, more liquid materials such as paints, varnishes, or adhesives. Offers higher speed for quick and smooth blending. (300 - 750 rpm)

Use the gear selector switch to choose the appropriate speed range before starting the mixer. The electronic speed control dial (Figure 3) allows for fine-tuning the speed within the selected gear.

5.2 Soft Start Function

The mixer is equipped with a soft start function to prevent splashing and ensure a smooth start-up. When you press the trigger, the paddle will gradually increase speed until it reaches the set level.

5.3 Mixing Procedure

1. **Prepare Material:** Place the material to be mixed into a sturdy mixing tub or bucket. Ensure the container is large enough to prevent overflow during mixing.
2. **Immerse Paddle:** Lower the mixing paddle into the material until it is fully submerged.
3. **Start Mixing:** Press the trigger switch to start the mixer. Hold the mixer firmly with both hands.
4. **Adjust Speed:** Use the electronic speed control dial to adjust the mixing speed as needed for the material's consistency.
5. **Mixing Technique:** Move the mixer slowly through the material, ensuring all parts are thoroughly blended. Avoid lifting the paddle out of the material while it is rotating to prevent splashing.
6. **Continuous Operation:** For extended mixing tasks, you can engage the lock-on button on the trigger switch to maintain continuous operation without holding the trigger. Press the trigger again to release the lock.
7. **Finish Mixing:** Once the material is uniformly mixed, release the trigger or the lock-on button. Lift the mixer out of the material only after the paddle has stopped rotating.



Figure 5: A user demonstrating the proper technique for mixing materials in a tub, holding the mixer firmly with both hands.

6. MAINTENANCE AND CLEANING

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

- **Always Unplug:** Before any cleaning or maintenance, ensure the mixer is unplugged from the power supply.
- **Cleaning the Paddle:** Immediately after use, clean the mixing paddle thoroughly to prevent material from hardening on it. Hardened material can reduce mixing efficiency and damage the paddle.
- **Cleaning the Mixer Body:** Wipe the mixer body with a damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the motor housing.
- **Ventilation Slots:** Keep the ventilation slots clean and free from obstructions to prevent overheating.

- **Storage:** Store the mixer in a dry, secure place, out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Mixer does not start.	No power supply; faulty power cable; trigger switch not pressed correctly.	Check power connection and outlet. Inspect power cable for damage. Ensure trigger is fully pressed.
Reduced mixing power or speed.	Overload; material too viscous; paddle clogged; incorrect gear selected.	Reduce load. Add more liquid to material if appropriate. Clean paddle. Select lower gear for higher torque.
Excessive vibration or noise.	Loose paddle; bent paddle; internal damage.	Tighten paddle. Replace bent paddle. If problem persists, contact customer service.
Overheating.	Blocked ventilation slots; continuous heavy load.	Clean ventilation slots. Allow mixer to cool down. Reduce mixing duration for heavy materials.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Einhell customer support.

8. TECHNICAL SPECIFICATIONS

- **Model:** TE-MX 1600-2 CE
- **Power:** 1600 Watts
- **Voltage:** 230 Volts
- **Gear 1 Speed:** 180 - 480 rpm
- **Gear 2 Speed:** 300 - 750 rpm
- **Tool Holder:** M14
- **Dimensions (L x W x H):** 31 x 32 x 20.2 cm
- **Weight:** 3.48 kg
- **Material:** Metal (housing components)
- **Country of Origin:** China

9. WARRANTY INFORMATION

Einhell products are manufactured with quality and care. This product is covered by the manufacturer's warranty in accordance with the laws of your country of residence. Please retain your proof of purchase for any warranty claims. The warranty covers defects in material and workmanship. It does not cover damage resulting from improper use, normal wear and tear, or unauthorized repairs.

10. CUSTOMER SUPPORT

For technical assistance, spare parts, or service inquiries, please contact your local Einhell service center or visit the official Einhell website. Contact information can typically be found in the product packaging or on the Einhell website.

You can visit the [Einhell Brand Store](#) for more product information.

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