



Innovative Tile and Stone
Installation Systems

LATAPOXY® 310 Cordless Mixer Owners Manual



To reduce risk of injury and to understand correct tool operation,
user must thoroughly read and understand Owner's Manual.

Snap for more
information.



WARNING

READ AND UNDERSTAND ALL INSTRUCTIONS.

Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control. Protect others in the work area from debris such as chips, sparks and provides barriers or shields as needed.

ELECTRICAL SAFETY

1. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately. Damaged cords may create a fire.
2. Use battery operated tool only with specifically designated battery pack. Use of any other batteries may create a risk of fire.
3. A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack. Carrying tools with your finger on the switch or inserting the battery pack into a tool with the switch on invites accidents.
4. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the tool in expected situations.
5. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

1. Use clamps or other practical ways to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
2. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
3. Do not use tool if switch does not turn on or off. A tool that cannot be controlled with the switch is dangerous and must be repaired.
4. Disconnect battery pack from tool or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
5. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

6. When battery pack is not in use, keep it away from other metal objects like: paperclips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns, or a fire.
7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.
8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in risk of injury.
2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of shock or injury.

Operational Description

1. CARTRIDGE HOUSE

2. RACK

3. PISTON

4. BATTERY

5. BATTERY RELEASE

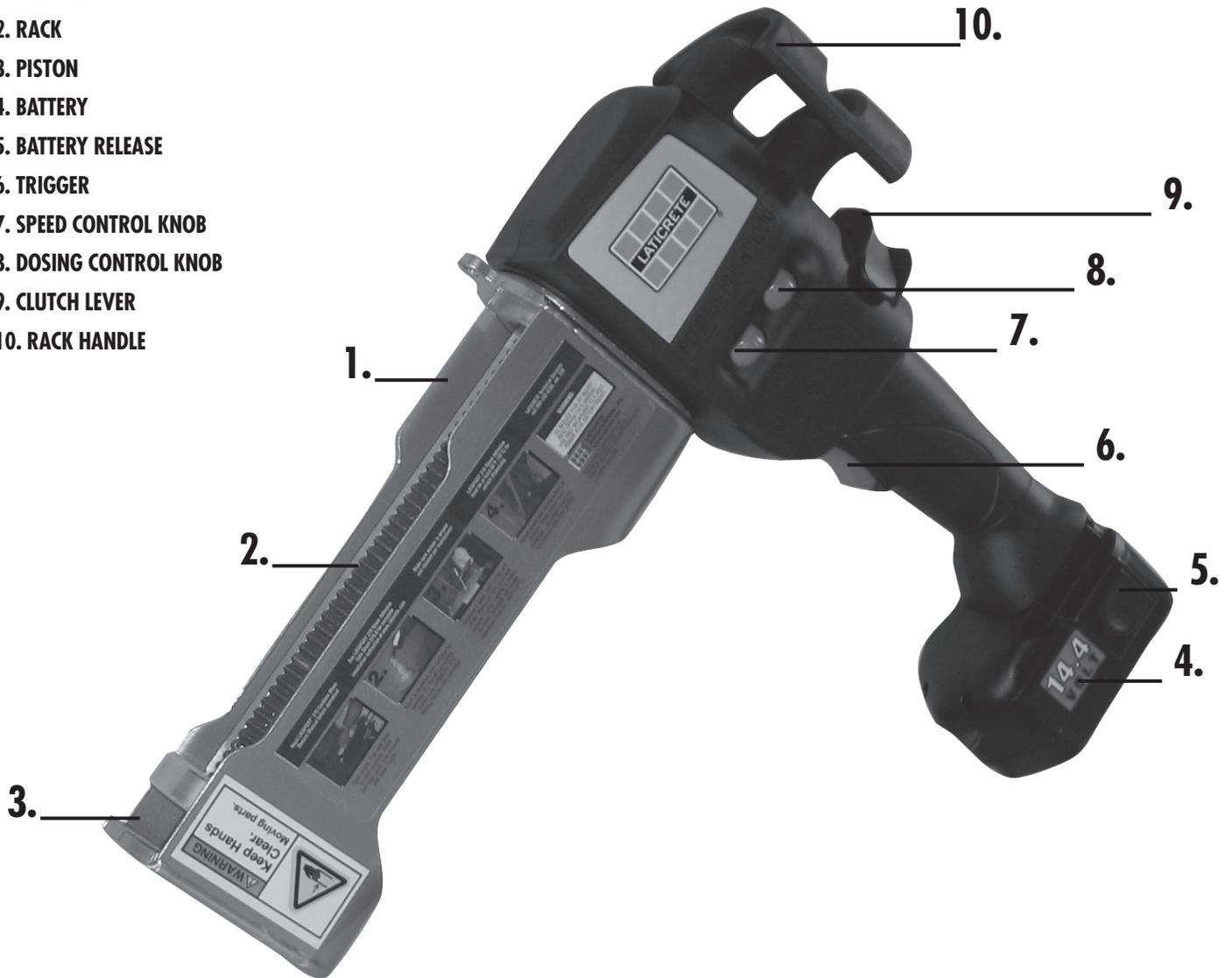
6. TRIGGER

7. SPEED CONTROL KNOB

8. DOSING CONTROL KNOB

9. CLUTCH LEVER

10. RACK HANDLE



LATAPOXY® 310 STONE ADHESIVE CARTRIDGE PACKS

15 per Carton

Regular: Part # S-310AB-CC-10

Rapid: Part# S-310AB-CC-10-1

NOTE: Trigger is an "On/Off" mechanism. The speed and dosing adjusts the amount of material dispensed.

• Use only LATAPOXY 310 Mixing Nozzles (Part No. RT8480500)



1. SUITABLE SUBSTRATES

The following section provides information regarding LATAPOXY® 310 Stone Adhesive which must be read prior to installation. Please refer to LATICRETE Data Sheet 679.0 or 679.3 for further information.

LATAPOXY® 310 STONE ADHESIVE MAY BE USED OVER THE FOLLOWING SUBSTRATES:

Interior Substrates

- Concrete
- Cement masonry units (CMU)
- Brick/masonry
- Exterior grade plywood
- Cement backer board
- Ceramic Tile

Exterior Substrates

Please consult LATICRETE Technical Services 800.243.4788, ext. 235 for approval prior to use for all exterior applications. Maximum height restriction of 30' (9.1 m) applies.

- Concrete (poured, pre-cast, tilt-up)
 - Concrete must be minimum 6" (15 cm) thick reinforced
 - Concrete must be minimum 3500 psi (24 MPa)
 - Concrete must be minimum 28 days old prior to installation
- CMU — double wythe walls only

Approximate Coverage

The coverage for LATAPOXY 310 Stone Adhesive will vary depending upon the amount of product required to plumb the wall. The chart below is based on 10% coverage of the area of each tile or stone piece:

Average inches out of plumb	LATAPOXY® 310 Thickness	Approximate Coverage per Carton
Plumb Wall	1/8" Thick (3 mm)	300 ft ² (27 m ²)
1/4" (6 mm)	1/4" Thick (6 mm)	150 ft ² (14 m ²)
1/2" (12 mm)	1/2" Thick (12 mm)	75 ft ² (7 m ²)

2. LIMITATIONS

- Surface temperature for application: 50°F (10°C) to 95°F (35°C).
- For exterior applications, contact Technical Services 800.243.4788, ext. 235 or support@laticrete.com for approval prior to use.
- Slate and other fissile stone may delaminate due to the nature of their layered composition. Manufacturers of such stone must provide written approval to the installer that the stone is suitable for their application.

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

- Do not apply LATAPOXY 310 Stone Adhesive onto veneers covered with any type of mesh backing. Grind off areas to receive adhesive before application.

NOTE: Before using product, condition material to room temperature (65°F/18°C) for 24 hours to ensure ease of mixing. Cold temperatures will reduce mixing ease.

3. SURFACE PREPARATION

- 3.1 All surfaces must be sound, clean, free of oil, waxes, frost, curing agents or contamination. Surfaces treated with form release agents or other bond inhibiting contaminants must be mechanically scarified. Concrete surfaces may be damp but with no standing water when application is made.



- 3.2 Clean and grind back of stone at areas to receive LATAPOXY 310 Stone Adhesive using a mechanical wheel grinder with a diamond wheel/blade. Remove dust with a stiff brush, wipe entire surface. Using a damp sponge (not wet), wipe the tile or stone to remove any particles or remaining dust to ensure a clean direct bond and that all ground material is removed. Wipe dry with a clean cloth, then apply LATAPOXY 310 Stone Adhesive.

4. BATTERY AND CHARGING

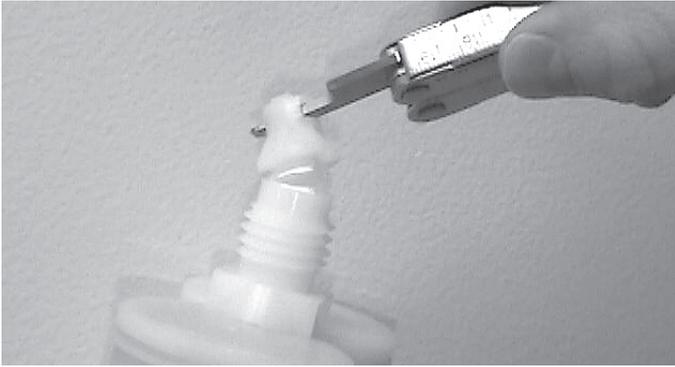
Use only the 14.4V battery in the charger provided. Other battery types may cause personal injury and or damage. Please read the charging manual attached with this package for specific information regarding safety and charging.

- 4.1 Charge battery to full capacity prior to use.
- 4.2 Charging time will vary according to voltage supply, the amount of the charge needed for that battery and temperature.
- 4.3 Temperature will affect battery life. It is best to charge when temperature is between 60° – 80°F (15° – 27°C). Do not charge when temperature drops below 40°F (5°C) or above 105°F (40°C).
- 4.4 Estimate roughly 30 to 45 min. to fully charge a battery

5. TOOL SET UP AND LOADING



- 5.1 Open clutch lever, grasp rack handle and pull outward until fully open.



5.2 Remove protective tip by on top of cartridge and simply pry off to open both sides of cartridge.



5.3 Insert one LATAPOXY® 310 Cartridge Pack into the Cartridge Housing, pushing tip through the hole at end of housing.



5.4 Push rack forward until pistons make contact with back of cartridge, close clutch.

NOTE: Remember to condition the material to at least 65° F (18°C) prior to using!



5.5 Screw mixing nozzle onto the thread tightly and you are ready to apply!

6. DISPENSING



6.1 Squeeze trigger to begin dispensing material. Adjust the dispensing speed as desired by turning the dial on side of tool. You will see the pink and white components mix as they are pushed through the Mixing Nozzle. Make sure material is uniform in color when dispensed from the nozzle.

6.2 Hold the Cordless Mixer at an angle on the tile or stone to be adhered. Push the material into the stone by using a circle motion and using the edge of the nozzle to "key" the material as it is dispensing.

Note: Cordless Mixer is equipped with an automatic reverse that engages after trigger is released to reduce any leakage. Build height of dab as needed to achieve plumb surface.

6.3 Apply dabs evenly distributed on back of the stone or tile; 5 dabs minimum, each corner and center. Cover at least 10% of the area of each piece (compressed dab). Finished dab thickness must be a minimum of 1/8" (3mm).

Approximate dab diameter required to achieve 10% coverage with 5 dabs:

Tile/Stone Size	Dab Diameter
12" x 12" (300 mm x 300 mm)	2" (50 mm) (each dab)
24" x 24" (600 mm x 600 mm)	4" (100 mm) (each dab)
36" x 36" (900 mm x 900 mm)	6" (150 mm) (each dab)

NOTE: Pull off the first stone installed to measure the diameter of each dab. Adjust the quantity of LATAPOXY® 310 Stone Adhesive to achieve the appropriate coverage. Once the correct amount has been determined, set Dosing Knob to obtain the consistent level for all veneers.

6.4 Dispense all the material until the rack drive is completely at the end of the cartridge and can not move any longer. You are now ready to remove the used cartridge and replace with a new one.

LATAPOXY® 310 Stone Adhesive

TIP: Evaluate the wall prior to installing the veneer, you'll want to see if there are any areas severely out of plumb. Drop a line from the top and identify any high points or "sunken in" areas. Make sure your first course or two can be followed all the way up the wall, so that you don't run into a high point which will be out of plumb with what you just set.

7. CARTRIDGE REMOVAL AND REPLACEMENT

7.1 Tool will automatically turn off once cartridge is emptied and the rack drive has reached its maximum extension.

7.2 Unscrew Mixing Nozzle and set aside. Open clutch and pull rack handle to full open position. Remove emptied cartridge.

7.3 Insert new cartridge and follow instructions in Operating Instructions, section 5. Make sure to snap off protective tip of cartridge before screwing on Mixing Nozzle.

TIP: It is not necessary to install a new Mixing Nozzle with each new cartridge. Since LATAPOXY 310 Stone Adhesive offers a 45 minute working time, tool may be idle for 45 minutes before the adhesive cures in the nozzle and cannot be used. Plan on using 1-2 Mixing Nozzles per day when using standard version. LATAPOXY 310 Rapid Stone Adhesive: frequent nozzle replacement will be required.

NOTE: Mixing Nozzles containing cured material can not be reused and must be discarded.

8. CLEANING AND MAINTENANCE

Your LATAPOXY 310 Cordless Mixer has been designed to provide dependable operation. There is no regular maintenance needed however it is important to keep the tool clean and free from adhesive build up. Effort must be made to keep adhesive, dirt and foreign objects off rack drive which may get caught in motor. Observe the following:

8.1 Keep rack drives free from any adhesive or other debris. Remove any uncured LATAPOXY 310 Stone Adhesive thoroughly with damp wire brush and dry cloth. **DO NOT RINSE TOOL WITH WATER!** Cured adhesive on rack drives will require removal via wire brush. Consult LATICRETE Technical Services.

8.2 Keep face of pistons clean, free from any LATAPOXY 310 Stone Adhesive to allow for proper contact with cartridge plungers. Adhesive build up on pistons may cause uneven force on cartridge and subsequent failure.

8.3 Keep battery terminal hook up clean, free from any dirt, debris or contaminant's.

9. PACKAGING

• One Cordless Mixer per carton, containing:

- One Battery Charger
- One 14.4V battery
- Owner Manual
- Shoulder Strap

• LATAPOXY® 310 Mixing Nozzles (must be ordered separately)

- 12 per carton
- Part Number RT8480500

10. TECHNICAL DATA

Cordless Mixer Tool Weight	9 lbs (4.05 kg)
Cordless Mixer Dimensions	17" x 3.5" x 13.5" (43 x 9 x 34 cm)
Battery Information	14.4 Volt Nicad
Charger information Capacity	One hour quick charge 22 oz. (616 grams) 1:1 ratio only

11. TROUBLE SHOOTING

Please review the attached trouble shooting guide. For any other questions or assistance, please contact LATICRETE Technical Services at 800.243.4788, ext. 235.

Problem Observed	Possible Cause(s)	Recommended Solution(s)
Trigger depressed, motor does not start	Battery drained or low Speed control knob turned down Battery not fully inserted Cartridge fully dispensed, Mixer shuts off automatically	Recharge battery Increase speed setting Remove and reinstall battery Remove used cartridge and replace with new
Trigger depressed, motor running but material is not being dispensed	Clutch is disengaged Cartridge tip not removed LATAPOXY 310 Stone Adhesive too cold Adhesive has cured in Mixing Nozzle Cartridge failure (blow by)	Close clutch lever Remove tip Condition material to at least 65°F (18°C) Change Mixing Nozzle Remove cartridge. Clean pistons and teeth. Install new cartridge
Material Dispensing slowly	Battery too low Speed setting low LATAPOXY 310 Stone Adhesive too cold LATAPOXY 310 material partially cured in nozzle Cartridge failure (blow by)	Recharge battery Increase setting Condition material to at least 65°F (18°C) Replace mixing nozzle Remove cartridge. Clean pistons and teeth. Install new cartridge
Dispensed LATAPOXY 310 Stone Adhesive is not uniformly mixed	Material too cold Material curing in nozzle Cartridge failure (blow by)	Condition material to at least 65°F (18°C) Change mixing nozzle Remove cartridge. Clean pistons and teeth. Install new cartridge
Rack handle difficult to	Clutch closed, engaged	Open clutch, pull rack back

12. SERVICE & ACCESSORIES

Contact LATICRETE Technical Services at 800.243.4788, ext. 235 with any questions regarding tool operation or problems.

Contact LATICRETE Customer Service at 800.243.4788, ext. 219 for information on spare parts and accessories.

13. WARRANTY

LATICRETE International, Inc. warrants the LATAPOXY 310 Cordless Mixer is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from the date of purchase subject to the terms and condition stated in Data Sheet 230.13 LATICRETE® Product Warranty.

This warranty does not cover the following: 1) abuse to tool; 2) failure to properly maintain and clean tool; 3) any modification made to the tool; 4) any failure incurred as a result of misuse or use for which the tool is not intended for; 5) normal wear and tear; 6) any repairs made to the Cordless Mixer by an unauthorized representative; 7) failure due to improper loading and or improper tool set up; failure due to usage of material other than LATAPOXY 310 Stone Adhesive.



**Innovative Tile and Stone
Installation Systems**

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