

LOCTITE®

EQ MX Mobile Mixer

2717051 / 2717052 (110V / 230V)

Operating Manual



Henkel

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1 Please Observe the Following

1.1 Emphasized Sections

Warning!

Refers to safety regulations and requires safety measures that protect the operator or other persons from injury or danger to life.


Caution!


Emphasizes what must be done or avoided so that the unit or other property is not damaged.


Notice:

A notice gives recommendations for better handling of the unit during operation or adjustment as well as for service activities.

1.2 For Your Safety


 For safe and successful operation of the unit, read these instructions completely. If the instructions are not observed, the manufacturer can assume no responsibility.


 Do not expose the power cord to heat, oil, or sharp edges.


 Make sure the unit stands stable and secure.


 Use only original equipment replacement parts.

 Always disconnect the power supply before servicing the unit.

 System includes moving parts. Hands, hair, and loose clothing should be kept away during operation.

 Beware of any sharp components when operating and servicing the unit.

 Observe general safety regulations for the handling of chemicals such as Loctite[®] adhesives and sealants. Observe the manufacturer's instructions as stated in the Safety Data Sheet.

 While under warranty, the unit may be repaired only by an authorized Loctite[®] service representative.

1.3 Unpacking and Inspection

Carefully unpack the Loctite® EQ MX Mobile Mixer and examine the items contained in the package. Inspect the unit for any damage that might have occurred in transit. If such damage has occurred, notify the carrier immediately. Claims for damage must be made by the consignee to the carrier and should be reported to the manufacturer.

1.4 Items supplied

- Loctite® EQ MX Mobile Mixer
- Hardware for assembly: (1) axle, (2) 8" wheels, (2) cotter pins, (2) 1" washers, (2) bolts [L: 1 – ½" x Diam: ¼"], (2) k-nuts
- Equipment Manual

1.5 Features

- 110V & 230V models available
- ½ HP electric motor
- Easy to change baskets & mixing paddles
- 60 RPM
- 8" semi-pneumatic wheels
- Compatible with a variety of baskets and paddles to perfectly fit product pail
- Mounted On-Off switch and fuse protection

1.6 Usage

The Loctite® EQ MX Mobile Mixers is an electric motor driven pail mixing system. Combining the rotational and axial action provided by the motor and mixing paddle with the ability to change the mix angle, the Loctite® EQ MX is the ideal solution for mixing a wide variety of MRO protective coatings, grouts, and other products. The Loctite® EQ MX Mobile Mixer is specifically designed to mix 5-gallon, 3-gallon, and 2-gallon pails of product that come in both metal and plastic pails.

2 Description

The Loctite® EQ MX Mobile Mixer is an electric motor driven pail mixing system. The EQ MX is designed to be an easy to use, semi-automated mixing solution. Included is the ability change the mix angle with (5) different levels of adjustment, utilizing gravity to aid in providing a uniform mix. The Loctite® EQ MX is specifically designed to mix 5-gallon, 3-gallon, and 2-gallon kits of product with different combinations of baskets and mixing paddles designed to perfectly fit the appropriate pail to prevent slipping.

3 Specifications

110V

Dimensions (L x W x H)	31 in. x 19 – ¼ in. x 32 in.
Total weight: lbs. (Kg)	26.3 kg
Hp:	1/2
Torque :	54.2 N.m (480 in.lbs.)
Amps:	7.8
Phase:	Single
Max. Ambient Temperature:	40° C
Hz:	60
Plug:	3 prong
Speed:	60 rpm

230V

Dimensions (L x W x H)	35 in. x 19 – ¼ in. x 36 in.
Total weight: lbs. (Kg)	40 kg
Hp:	1/2
Torque :	54 N.m (478 in.lbs.)
Amps:	2.8
Phase:	Single
Max. Ambient Temperature:	40° C
Hz:	50-60
Plug:	open ended cord
Speed:	60 rpm

4 Assembly

1. After unpackaging the unit, take note of necessary components for assembly.
 - a. (1) Loctite® EQ MX, (1) axle, (2) 8" wheels, (2) cotter pins, (2) 1" washers, (2) bolts [L: 1 – ½" x Diam: ¼"], (2) k-nuts



2. Slide the axle into place through the holes in the front legs.



3. Place a washer on the end of the axle where the wheel would meet the leg of the mixer.



**For steps 2-4,
see part c. in
Fig. 2 on pg. 10**

4. Slide the wheels onto the end of the axle on the outside of the legs & fix them into place with cotter pins, being sure to adequately bend the cotter pins so they do not fall out.
5. Align the bolt holes on the red main handle with those on the rear legs and fix them into place with the included k-nuts and bolts.



See part f. in Fig. 2 on pg. 10

NOTE: The 2-gallon attachment that comes pre-installed to be swapped with the 2-gallon mounting arm: Align the appropriate mix paddle mounting arm's bolt hole in the proper location in front of the motor, above the axle and fix into place with the included k-nuts, bolts, and $\frac{3}{4}$ " washers.



See part b. in Fig. 2 on pg. 11

5 Operation

The Loctite® EQ MX Mobile Mixer requires a power source to supply at least 115 V, any U.S. standard domestic electrical outlet will be sufficient. The maximum ambient operating temperature for the Loctite® EQ MX is 104°F (40°C).


1. Select proper basket and mix paddle (appropriate for the product to be mixed).
 - a. Drop the basket into place on the shaft of the motor, aligning the keyway with the basket with that of the shaft.
2. After following the proper opening & pre-mix procedure indicated on the product's TDS, place the pail of product into the basket.
3. With the pail in place, place the mixing paddle's shaft onto the mounting arm so that the paddle sits in the pail of the product. **(See part a. in Fig. 2 on pg. 10)**
4. Plug the Loctite® EQ MX into a power source and turn the switch into the ON position to begin operation.
 - a. Follow each product's specific mix procedure as indicated on the TDS.
 - b. Mix angle can be adjusted for a better mix via the lever on the power cord side of the mixer where the front and rear leg meet. **(See part i. in Fig. 1 on pg. 10)**
 - c. If needed, the paddle can also be moved back and forth to aid mixing.
5. Once operation is complete, remove the mix paddle for cleaning and remove the pail of product for application.



NOTE: the operator must wear safety glasses and proper gloves while this procedure is being performed.

6 Application Hints

The Loctite® EQ MX is specifically designed to mix 5-gallon, 3-gallon, and 2-gallon MRO protective coatings, backings, and other products that are offered in either metal or plastic pails. The cure times and conditions vary between products, be sure to consult the TDS for this information as well as proper mixing and application instructions. To ensure a complete mix, the angle can be adjusted via a lever located where the front and rear legs meet on the side of the machine where the power cord is located. In addition, the mix paddle can also be moved back and forth during the mix to help fold the product over itself.

 To extend the use life of the mix paddle, it is recommended that it be wiped clean to the best of the user's ability before the product cures on it. It is not recommended to re-use a mix paddle until it is wiped clean or until the residual adhesive is **fully cured**.

7 Troubleshooting

Problem	Possible Cause	Correction
Product not fully mixing	<ul style="list-style-type: none">• Mix paddle is not eliminating "Dead zones," there are areas where the resin and hardener are not mixing.• Edges or bottom of the pail are untouched by mix paddle.• Product is too thick to adequately mix.	<ul style="list-style-type: none">• Change the mix angle, allowing gravity to help the product fold over itself.• Move the mix paddle during mixing to help move the product around.• Ensure that the correct basket & paddle combination is being used for the selected product.
Pail moves around the basket during operation.	<ul style="list-style-type: none">• The wrong basket is being used for the selected product.	<ul style="list-style-type: none">• Ensure that the correct basket & paddle combination is being used for the selected product.
Adhesive spills out of pail during operation.	<ul style="list-style-type: none">• The angle that the product is being mixed at is too low.	<ul style="list-style-type: none">• Adjust the mix angle to the lowest setting to ensure product achieves a full mix but remains in the pail.

8 Care and Maintenance

The Loctite® EQ MX Mobile Mixer is designed to provide simple and effective mixing without any special maintenance. The Loctite® EQ MX Mobile Mixer is an electric motor driven system and should be cared for as any power tool or equipment would be. It is not recommended to operate the Loctite® EQ MX in an environment where the electronics may be exposed to excess moisture. In the event of overcurrent in the system, there is fuse protection to prevent unnecessary damages.

After use, the mix paddle will likely have excess adhesive on it. It is best practice to wipe the mix paddle clean to the best of the user's ability. A mix paddle is fine to re-use if there is residual adhesive on it if the adhesive is **fully cured**. To clean the mix paddle most effectively it is recommended to use Loctite® 7617 Industrial Hand Wipes (IDH: 337637).

Mix Paddle Cleaning Procedure

Only remove the mix paddle for cleaning once the adhesive is fully mixed and applied. Consult the product's TDS for mix procedure, work times, and proper application instructions specific to the selected product.

1. Turn the Loctite® EQ MX off once mixing is complete, remove the mix paddle, and remove the pail of adhesive for application.
2. Use paper towels, rags, or something similar, to wipe the bulk of the adhesive from the mix paddle.
3. With the bulk of the adhesive gone, use Loctite® 7617 Industrial Hand Wipes to fully clean the residual uncured adhesive from the paddle.
4. Wipe off any residue from the Loctite® 7617 Industrial Hand Wipes or leftover adhesive with paper towels, rags, or lint-free wipes.
5. Let the mix paddle dry and any leftover adhesive fully cure before next use.

NOTE: the operator must wear safety glasses and proper gloves while this procedure is being performed.

9 Accessories and Spare Parts

Accessories and Spare Parts:

- Loctite® EQ MX 2 Gal Basket Kit (110V / 230V), IDH: **2717053 / 2717057**
- Loctite® EQ MX 3 Gal Basket Kit (110V / 230V, IDH: **2717054 / 2717058**
- Loctite® EQ MX 5 Gal M Basket Kit (110V / 230V, IDH: **2717055 / 2717059**
- Loctite® EQ MX 5 Gal P Basket Kit (110V / 230V, IDH: **2717056 / 2717060**
- Loctite® EQ MX 2 Gal Paddle, IDH: **2717474**
- Loctite® EQ MX 5 Gal Metal Paddle, IDH: **2717475**
- Loctite® EQ MX 3 Gal Plastic Paddle, IDH: **2717476**
- Loctite® EQ MX 5 Gal Plastic Paddle, IDH: **2717477**

Recommended Cleaning Equipment:

- Loctite® 7617 Industrial Hand Wipes (75 count container), IDH: **337637**
- Loctite® 7617 Industrial Hand Wipes (130 count container), IDH: **337638**



Part i. Angle Adjustment Lever

Fig. 1: Loctite® EQ MX Right View

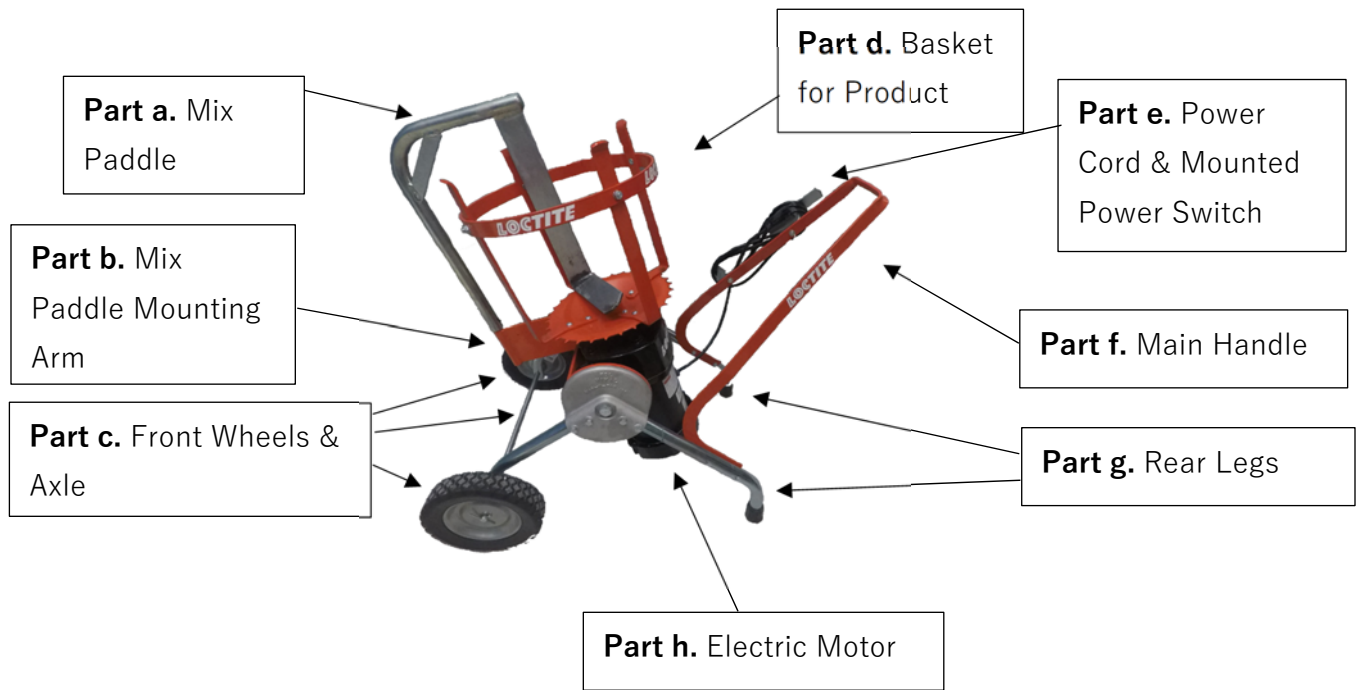


Fig. 2: Loctite® EQ MX Left View

11 Warranty

Henkel expressly warrants that all products referred to in this Instruction Manual for (IDH 2717051 / 2717052 Loctite® EQ MX Mobile Mixer) (hereafter called “Products”) shall be free from defects in materials and workmanship. Liability for Henkel shall be limited, as its option, to replacing those Products which are shown to be defective in either materials or workmanship or to credit the purchaser the amount of the purchase price thereof (plus freight and insurance charges paid therefor by the user). The purchaser’s sole and exclusive remedy for breach of warranty shall be such replacement or credit.

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