

Semco® 285-B battery powered mixer



Description

PPG SEMCO® 285-B is a battery-powered mixer intended for the mixing of sealants, adhesives, potting compounds, and other materials packaged in *Semco* cartridges or SEMKIT® packages. The unit is designed to offer the convenience of a lightweight, portable mixing solution without the hassle of an electric cord or air hose. The spindle assembly rotates the mixing rod at the proper speed while the operator strokes the cartridges vertically along the length of the mixing rod. The result is a more consistent, uniform mix from kit to kit and avoids the quality problems of operators attempting non-approved methods of mixing sealants.

The mixer weighs approximately 8 lb. It is equipped with a handle for ease of portability. The high torque motor is of heavy-duty construction to withstand the rigors of industrial use. Each unit comes with a 20 V lithium-ion battery, a charger base and cord. Charger cords are readily available with electric plugs to fit US, UK, EU or AU outlets.

Features

- Truly portable mixer that can be taken on the aircraft or in the field
- Improved portability, sized to easily carry or store away
- Ergonomic design – handle positioned for operator comfort
- Rugged & durable construction but lightweight (~8 lb)
- Mixes between charges: 20+ cartridges
- Charger and battery included
- No air hose or electric cord required

General instructions

Refer to manufacturer's Safety Data Sheet (SDS) for handling the *Semkit* before mixing.

Mixing instructions

1. WEAR SAFETY GLASSES AND GLOVES WHILE MIXING AND DISPENSING.
2. Prepare *Semkit* according to instructions accompanying the kit.
3. Verify the selector switch is at "off" position.
4. Using the spindle assembly, engage dasher rod holes with the drive pins.
5. Hold the cartridge firmly with your hand for steps 6 -11.
6. Set the timer according to the *Semkit* instructions.
7. Grip the side handle with your other hand and place selector switch to "on" position using your thumb.
8. Proceed to mix the cartridge by slowly moving it up and down along the length of the dasher rod. Each stroke should extend from the neck of the cartridge to the plunger end of the cartridge.



Semco® 285-B battery powered mixer

- Mixing is completed when timer ends and mixer automatically stops.
- The dasher rod should be pushed into the cartridge and up against the plunger on the last stroke.
- Place selector switch to “off” position and remove dasher rod from the drive pins.

Maintenance

- Wipe clean all contaminants with approved cleaning agent and dampened rag after each use of mixer.
- Make sure all bolts in the spindle assembly are tight.
- Replace all worn out parts as necessary.

WARNING: Disconnect battery when equipment is not in use and before servicing.

Part Number	Description
235490	Model #285- B Mixer Battery US
235497	Model #285- B Mixer Battery UK
235498	Model #285- B Mixer Battery EU
235499	Model #285- B Mixer Battery AU
235491	Battery Charger, 285-B Mixer
235492	Battery, Lithium Ion, 285-B Mixer
235493	Charger Cable – US
235496	Charger Cable – UK
235494	Charger Cable – EU
235495	Charger Cable – AU
233027	Spindle Assembly, Standard
233026	Rivet
233068	Spindle
221370	Timer Knob
221367	Suction Cup

For industrial use only. Keep away from children.

For emergency medical information call +1 (800) 228-5635.

For additional information or inquiries outside the United States, please visit our website:

www.ppgaerospace.com

Semco and Semkit are trademarks of PRC-DeSoto International Inc., registered with the U.S. Patent Office.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.


Printed in the U.S.A

PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
USA
Telephone (818) 362-6711
Toll Free (800) AEROMIX
www.semcopackaging.com
Email: semcoinfo@ppg.com

Issue Date: 12/19
Supersedes: New
Lit:

SEMCO® 285-B battery powered mixer

Always remember to remove battery before attempting to service the tool

Symptom	Possible cause	Recommended action
Nothing happens when power trigger is pulled	<ul style="list-style-type: none"> • Battery discharged • Battery not fully installed • Check to ensure the sealant cartridge and retainer have been installed correctly • Speed control setting is too low • Battery or tool terminals are bent or damaged 	<ul style="list-style-type: none"> • Recharge battery • Push battery on fully, until it clicks • Unscrew retainer and check cartridge installation • Adjust speed control as required • Return to <i>Semco</i> for repair
The mixer stalls during use	<ul style="list-style-type: none"> • Battery discharged • Cured material in cartridge • Material is too cold 	<ul style="list-style-type: none"> • Recharge battery • Remove cured material • Warm material to recommended mixing temperature
<p>Battery does not charge</p>  <p><i>Attempt to determine if it is the battery or the charger which is faulty by testing battery with known good charger and/or by testing charger with known good battery</i></p>	<ul style="list-style-type: none"> • Battery is either too hot or too cold • Charger is not powered • Battery not properly seated on charger • Defective battery or charger 	<ul style="list-style-type: none"> • Allow battery to return to allowable temperatures • Check power source and ensure red power light is illuminated on charger • Remove and properly reseal battery • Contact PPG <i>Semco</i> (or ASC) for repair or replacement
Mixer is not stable on the flat surface	<ul style="list-style-type: none"> • Suction cup or bumper is missing or damaged 	<ul style="list-style-type: none"> • Contact PPG <i>Semco</i> (or ASC) for replacement

SEMCO® 285-B battery powered mixer

For industrial use only. Keep away from children.

For emergency medical information call +1 (800) 228-5635.

For additional information or inquiries outside the United States, please visit our website:

www.ppgaerospace.com

Semco is a trademark of PRC-DeSoto International Inc., registered with the U.S. Patent Office.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

Printed in the U.S.A

PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
USA
Telephone (818) 362-6711
Toll Free (800) AEROMIX
www.semcopackaging.com
Email: semcoinfo@ppg.com

Issue Date: 12/19
Supersedes: New
Lit:

Frequently asked questions – SEMCO® 285-B Battery powered mixer

Q. Why should I switch to a battery-powered mixer from other manual mixers?

- A. The battery-powered mixer has the following advantages:
- Eliminates tripping hazard: With no air hoses or electric wires required for this operation, 285-B mixer reduces any chances of operator injury.
 - Mobility: It gives you the mobility and freedom to go anywhere (subject to site safety restrictions). The mixer does not require you to plug into AC outlets.
 - Weight: At 8 pounds, the 285-B mixer is easy to transport and maneuver in the operation area.
 - Sealant performance: Mixer is set at the appropriate RPM for proper sealant mixing.

Q. Is the 285-B battery powered mixer capable of mixing 20 oz. cartridges?

- A. No, 285-B mixer is designed for safe operations for 1, 2.5, 6, 8 and 12 oz. sizes only.

Q. How long does it take to charge the battery?

- A. It takes 60 minutes to fully charge.

Q. How many cartridges can be mixed with a fully charged battery?

- A. It can mix twenty cartridges of 6 oz. before the battery needs a recharge or fresh battery.

Q. Is the mixer approved to be used in Europe?

- A. No, the mixer currently does not carry a CE Certification, the CE certification is in under consideration.

Q. Can this mixer be used for very high viscosity materials?

- A. The mixer is able to mix very viscous materials with the operator stroking the cartridge in a progressive fashion. However, the operator should take extra caution.

Q. Is this mixer ATEX certified?

- A. No, this mixer is not certified to operate in an explosion proof environment.

Q. How can I get part list for the mixer?

- A. All the spare parts and accessories PN's are available in the TDS document. Call PPG *Semco* with any questions.

Q. Does the product come with the warranty?

- A. The mixer and battery have a one year manufacturer's warranty.

Q. How can I request for the demo unit?

- A. Each ASC should stock a minimum of one unit for demo purposes. To request a demo, please send your request via email to info@semcopakaging.com.

Q. Where do I go for pricing support, Marketing and Technical Support?

- A. Please contact your regional packaging segment manager (Ankit Kadakia, Americas) (Gilles Brosseau, EMEA), (Kevin NG, AP) or ASC business manager for pricing support.
Please contact Barry Wolf and Paul Kuchinski for technical support
Please contact Abdul Halim Sayyed for marketing.

For industrial use only. Keep away from children.

For emergency medical information call +1 (800) 228-5635.

For additional information or inquiries outside the United States, please visit our website:

www.ppgaerospace.com

Semco is a trademark of PRC-DeSoto International Inc., registered with the U.S. Patent Office.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

Printed in the U.S.A

PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
USA
Telephone (818) 362-6711
Toll Free (800) AEROMIX
www.semcopackaging.com
Email: semcoinfo@ppg.com

Issue Date: 01/20
Supersedes: New
Lit: