

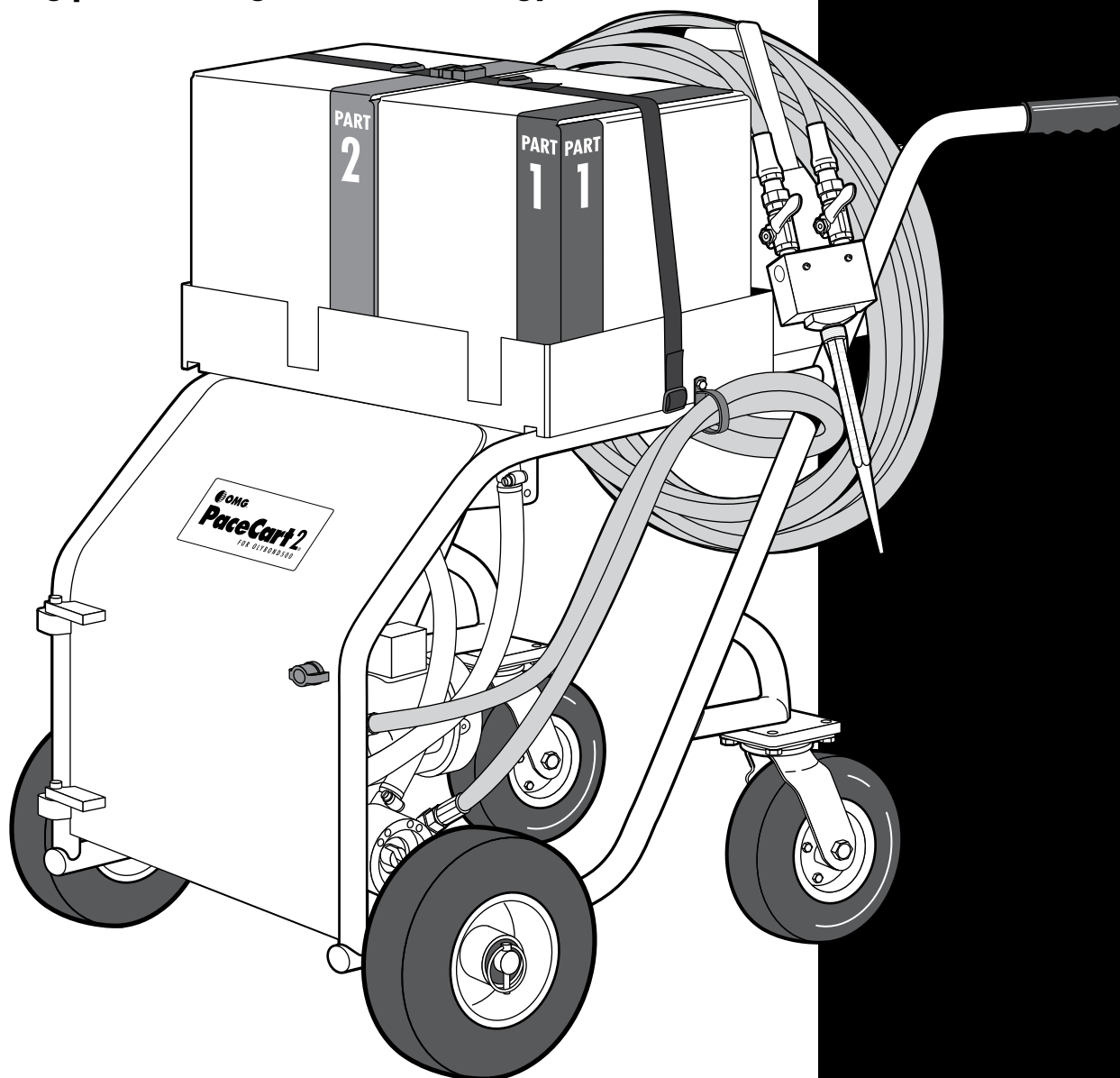


# PaceCart 2<sup>®</sup>

FOR OLYBOND 500

## OWNER'S MANUAL

Patented portable delivery system for OlyBond500<sup>®</sup> Insulation  
Adhesive featuring patented bag-in-box technology



153 BOWLES ROAD, AGAWAM, MA 01001 USA  
800-633-3800 413-789-0252 OLYFAST.COM

**IMPORTANT!**  
Save this manual  
and read it in full  
before use.

## PACECART 2® WITH BAG-IN-BOX TECHNOLOGY

Thank you for choosing OlyBond500® Adhesive Fastener, and for investing in the PaceCart 2 for fast, reliable application. PaceCart 2 is a portable, easy-to-use system for attaching FM approved insulation in virtually any flat or low-slope roofing application.

### Features & Benefits:

- Lowest installed cost method of attaching insulation
- Fastest method available (attach up to **60 squares of insulation per hour**)
- Lightweight, portable, clean and easy to use
- No noxious odors or noise during installation
- Two component reaction occurs in the disposable mix tips so the gun and hoses remain clean and free-flowing for maximum efficiency

OlyBond500 is so versatile it can be used to adhere almost any type of insulation to a wide variety of substrates. (See page 3 for details.) Regardless of roof size, installation is easy thanks to the patented PaceCart 2 dispensing system. Highly portable, the PaceCart 2 is easy to use and does not require heated hoses or high-pressure spray equipment. Although it offers a safe, tested method of application, be sure that every member of your crew has a thorough understanding of the system before use. Read, understand and follow all instructions. To schedule rooftop training, call **800-633-3800** or **413-789-0252**.

**Use only approved OlyBond500 adhesives with this machine.** Failure to do so may cause extensive damage and will void all warranties.

**PATENT NOTICE:** The OMG PaceCart® dispensing cart and the Bag-in-Box OlyBond500® Part 1/Part 2 adhesive system, including the adhesive dispensing method, is covered by one or more of U.S. Patent Nos. 6,220,526; 8,113,385; 8,132,693 and 8,167,170.

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**Congratulations on your new purchase.** We look forward to your feedback. Please send us your comments and suggestions at any time.

### PaceCart 2 Product Development Team

OMG, Inc. | info@olyfast.com | 800-633-3800 | 413-789-0252 | www.olyfast.com

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OlyBond500® and PaceCart 2® are trademarks of OMG, Inc., a leading provider of innovative fastening solutions and products for the construction industry.

Contact OMG or your roofing membrane manufacturer for the most current list of approvals.



Subject to the conditions of approvals as insulation adhesive for use in Class 1 roof construction as described in the current edition of the FMRC Approval Guide.



For roofing systems as to external fire exposure see UL directory of products certified for Canada and UL roofing materials and systems directory.

## READ & SAVE ALL INSTRUCTIONS

Thank you for purchasing a PaceCart 2, the most efficient method for installing OlyBond500 Insulation Adhesives. When properly used, your new PaceCart 2 can dispense enough OlyBond500 to apply 60 squares of roofing insulation per hour.

OlyBond500 is a two-part polyurethane adhesive used to adhere insulation to insulation and to roof substrates in both new and re-roof applications.

### APPLICATION

Part 1 is to be mixed with Part 2 at a 1:1 ratio by volume and applied using the OMG PaceCart 2 dispenser.

### HANDLING & STORAGE

OlyBond500 should be stored in a cool, dry location at temperatures between 55°F and 85°F. Protect from freezing at all times. Keep containers closed. Contamination by moisture or basic compounds can cause dangerous build-up in a closed container. The minimum product temperature before application should be 72°F. The minimum ambient and surface temperatures should be 40°F and rising.

### WEAR PROTECTIVE GEAR

Do not get into eyes, on skin or on clothing. Wash thoroughly after handling.

- Splash goggles • Gloves

### DISPOSAL

Do not discharge into lakes, streams, ponds or public waters. Spilled material, unused contents and empty containers should be neutralized and disposed of in accordance with local, state and federal regulations.

### DO NOT LEAVE EXPOSED OR UNPROTECTED.

Polyurethane foam or isocyanurate foam products may present a serious fire hazard if exposed or unprotected. Each person, firm or corporation engaged in the manufacture, production, application, installation or use of any of these materials should carefully determine whether there is a potential fire hazard associated with such product in a specific usage and utilize all appropriate precautionary and safety measures as outlined in local, state and federal regulations. When not in use, keep stored containers closed.

### WARNING

**OlyBond500 must be applied with a compatible PaceCart dispenser** and stored at room temperature prior to use. Keep containers closed and store in a well-ventilated, cool, dry location in temperatures between 55° and 85°F. Protect from freezing. Use only with ventilation, which will keep the vapor concentration below the TLV ceiling limit of 0.02 PPM. Failure to follow all instructions could result in **property damage or serious personal injury**.

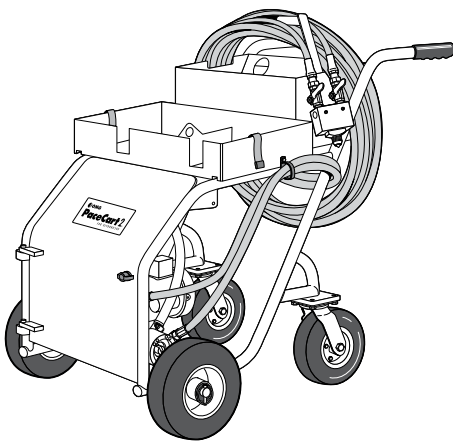
### FIRST AID DIRECTIONS

**Contact with this product can cause serious harm. Seek assistance as follows.**

**Eyes:** Immediately flush eyes with running water for at least 15 minutes. Call a physician immediately. **Skin:** Wash affected area with soap and water. **Ingestion:** If swallowed, give large amounts of water to dilute. If vomiting occurs, give more water. Call a physician immediately.

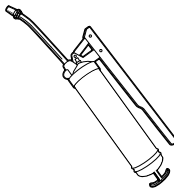


## THE PACECART 2 SYSTEM

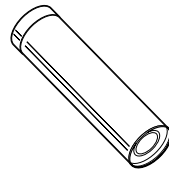


**OMG**  
**PaceCart 2**  
FOR OLYBOND500

### PROVIDED WITH PACECART 2



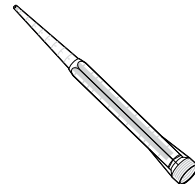
**Grease Gun & Nozzle** (Boxed for assembly)



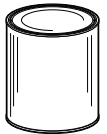
**Grease Tube**



**Connectors** (3 black and 3 gray included)

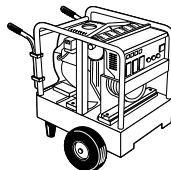


**Mix Tips** (20 included)



**Cleaning Solvent**

### ADDITIONAL TOOLS REQUIRED



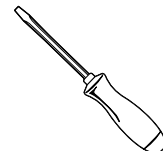
**Stable Power**  
110-125 volts,  
60 Hz



**Power Cord**  
75 feet max.  
12 gauge min.



**Adjustable Wrench**

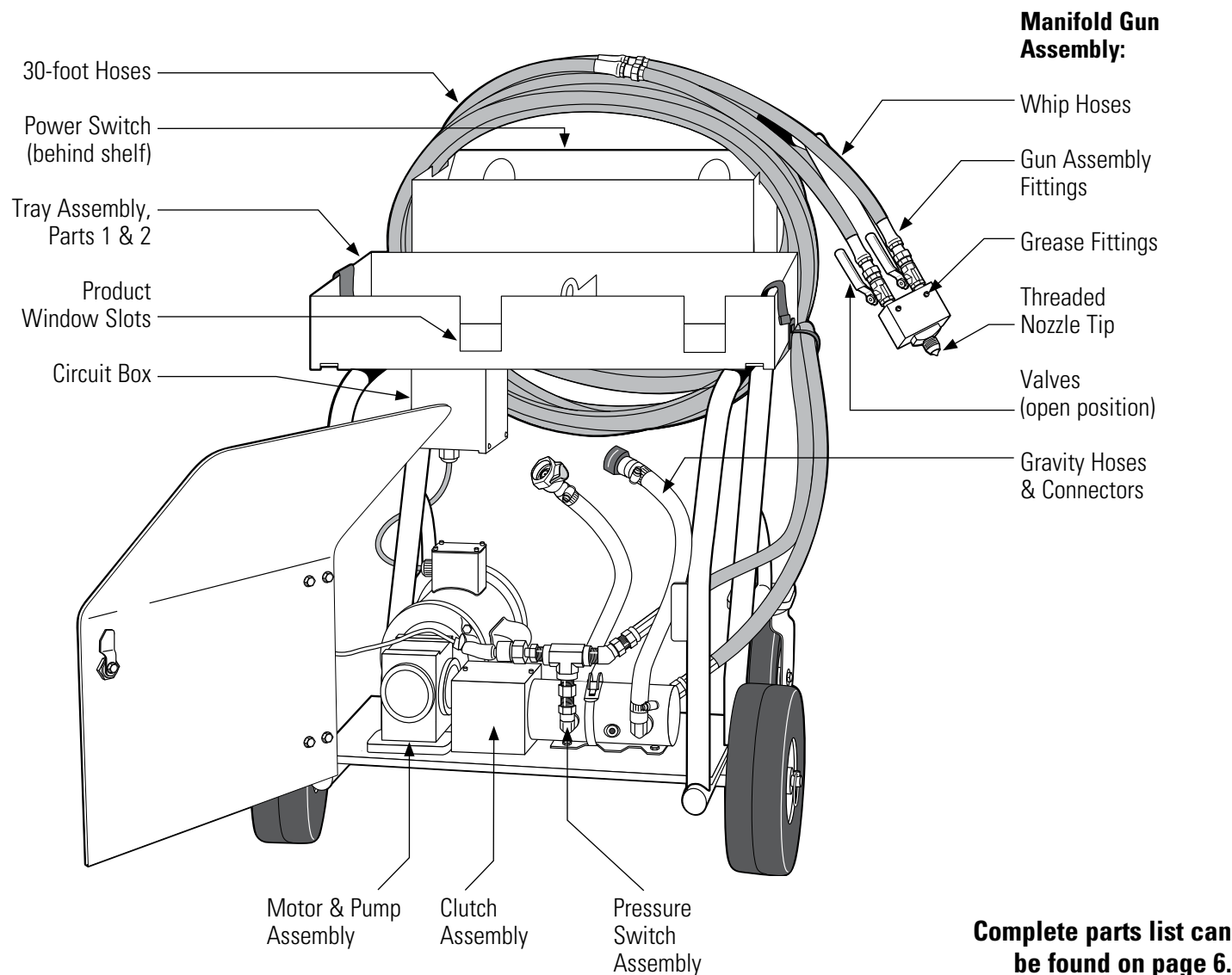


**Large Flathead Screwdriver**



**Empty Bucket**

SYSTEM COMPONENTS



MATERIAL SPEC

OlyBond500 adheres virtually all common types of insulation to a wide variety of substrates and is compatible with and approved by a majority of roof system manufacturers.

Approved substrates

Concrete	Existing BUR (smooth)
Lightweight concrete	Steel
Gypsum	Wood
Tectum	Existing modified bitumen
Most vapor barriers	

Approved insulation

Polyisocyanurate	Expanded polystyrene
High density wood fiber	Foam glass
Perlite	Foamular® 250
DensDeck®	Dow Deckmate™ FA

To determine compatibility with substrates or insulation not listed, call 800-633-3800 or 413-789-0252.

FOR ASSISTANCE

In addition to supplying a broad array of fasteners and accessories, OMG Roofing Products has a nationwide team of field representatives that offer services to contractors, building owners, architects and roof consultants, including:

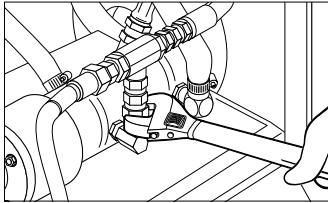
- pull-tests
- job starts
- preinstallation application assistance and training

For consultation or on-site assistance, contact OMG at 800-633-3800 or 413-789-0252.

# OPERATING INSTRUCTIONS

## STEP 1: TIGHTEN ALL FITTINGS

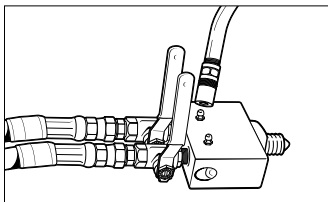
Fittings can loosen in transit.



Use a wrench to **tighten all hose connections**.

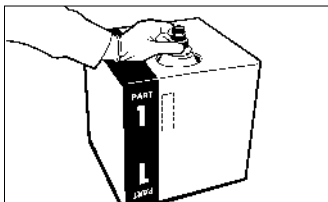
## STEP 2: INJECT GREASE INTO GUN MANIFOLD

The gun must be coated inside with grease before first use.

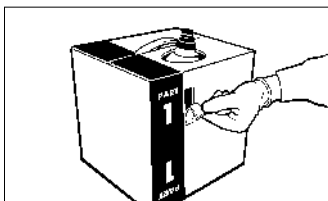


With the **valves closed**, place gun over an empty bucket. Put the grease gun on the fitting, **push and squeeze grease into the manifold**. Repeat with both fittings.

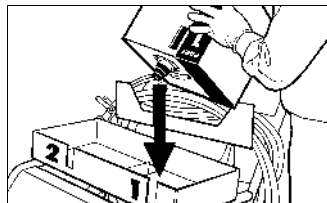
## STEP 3: INSTALL OLYBOND500 BOXES



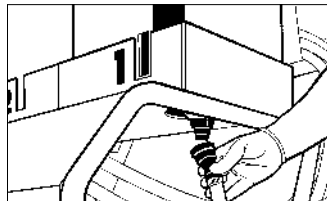
**Extend spout** on Part 1 & Part 2 boxes.



**Open window** on each box.



**Invert boxes and place in correct trays**, aligning windows with open slots at front of each tray.



**Grease connectors** using grease gun and finger, then **connect spouts to gravity hoses**. **Remove any air** from gravity hoses by squeezing and pushing air into box.

### WARNING

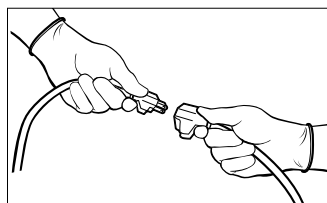
Connector colors must match!

Part 1: Black to Black  
Part 2: Gray to Gray



## STEP 4: CHECK POWER SPECS, PLUG IN CART

Never run PaceCart 2 with low-voltage power or you risk severe damage to the motor!



The PaceCart 2 requires power in the range of 110 to 125 volts, 15 amp. Before beginning, check your power source to be sure you are not competing with other equipment. Using an overloaded line or an extension cord longer than 75 feet will diminish your power.

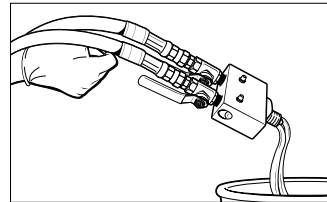
### WARNING

If the machine stops operating and begins to hum or click, turn it off immediately and check your power source.



## STEP 5: PURGE GUN TO PREPARE IT FOR USE

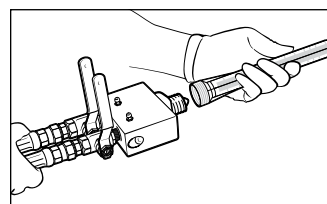
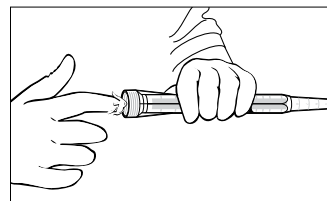
The gun must be purged by running OlyBond500 material through it before attaching mix tip.



With **valves open** and the gun over a bucket, turn on the PaceCart 2 at the power switch. For new PaceCart 2 equipment, leave valves open and **let material run for 1 minute after it starts to flow to purge packing oil from pumps**. For each subsequent use, let material flow for **30 seconds**. There should be equal streams of Part 1 and Part 2, indicating that both sides are flowing. Make sure the two sides are running evenly. **Shut valves**.

## STEP 6: GREASE AND ATTACH MIX TIP

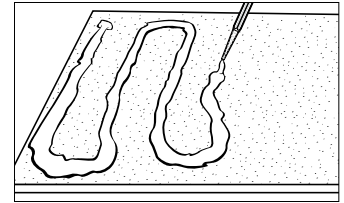
Grease threads thoroughly before attaching tip.



**Grease threads on mix tip. Attach mix tip onto the gun. Immediately proceed to step 7.**

## STEP 7: APPLY ADHESIVE TO SURFACE

Dispense material at increments as specified by the manufacturer.



**Open both valves completely and dispense material** in a serpentine pattern.

When dispensed with a 1:1 ratio, a chemical reaction occurs on the substrate, and the material begins to foam.

OlyBond500 is formulated to give the roofer sufficient time (3–4 minutes) to place the insulation boards onto the wet adhesive before it reaches its tack-free state.



### CAUTION

Replace mix tip every time you stop. Failure to do so may result in clogged gun and hoses.



## STEP 8: SHUT-DOWN PROCEDURES

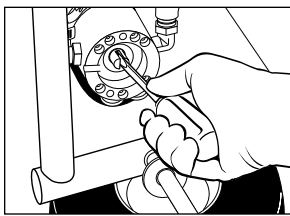
Always store the PaceCart 2 with the boxes in place and the gun greased and pointing downward to avoid clogging.

- Close valves, remove mix tip.
- Shut off power switch.
- Open valves to drain pressure in hoses, then shut valves.
- Inject grease into gun until it comes out nozzle tip.
- Leave boxes attached while in storage.
- Keep gun pointing downward.

After long-term storage, call **OMG** for service at 800-633-3800 or 413-789-0252.

## PACECART 2 TROUBLESHOOTING

SYMPTOM	REPAIR SUGGESTION
<b>Audible clicking sound coming from motor assembly.</b>	Clutch mechanism makes a click to avoid damage from clogged pump. Remove pump and clean, or unfreeze by method below.
<b>OlyBond500 does not flow from gun.</b>	Check to see if gun, whips or hoses are clogged. Clear any clogs and repeat Steps 2, 4, 5 and 6 of operating instructions. <b>OR:</b> Make sure pumps are working.
<b>Machine pumps unequal amounts of materials 1 and 2.</b>	Flow might be disrupted by clog. Make sure the materials are at the correct application temperature. <b>OR:</b> Check hose for even flow. <b>OR:</b> Clean gun. <b>OR:</b> Check part 1 pump for blockage.
<b>OlyBond500 does not foam up.</b>	Gun may not be delivering equal amounts of material (from boxes 1 & 2), thereby preventing chemical reaction. Check for clogs in hoses or gun. <b>OR:</b> Check boxes for inadequate material levels.
<b>Material foams up, but has no holding power.</b>	Foam may be off ratio. Check for equal flow of Part 1 & Part 2. <b>OR:</b> Material may have been frozen. Dispose of it and replace with fresh material.
<b>Motor turns but pump does not supply material.</b>	Pump may be clogged or broken. Call 800-633-3800 or 413-789-0252 for assistance.
<b>Motor doesn't turn.</b>	Make sure on/off switch is in "on" position. <b>OR:</b> Make sure breaker switch is on. <b>OR:</b> Pressure switch may be activated. Open valves to relieve pressure in hoses.  If none of these remedy the situation, check power source. Turn off PaceCart 2 immediately as insufficient power will damage the motor.  Be sure your power cord is no longer than 75 feet. <b>OR:</b> Be sure your power source is delivering power at 110-125v, 15 amp. <b>OR:</b> Check for competing equipment on the same line. <b>OR:</b> Pump may be frozen. With motor off, insert flathead screwdriver as shown below and turn clockwise to "unlock" pump. See illustration at left.



**Unfreezing pump**

## WARRANTY AND REMEDY

ALL WARRANTIES OF THE PRODUCTS DESCRIBED HEREIN, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES ARE SPECIFICALLY EXCLUDED, EXCEPT FOR THE FOLLOWING: OMG Roofing Products will repair or replace, at its sole option, any tool part which within 30 days after sale by OMG Roofing Products or its distributors, is found by OMG Roofing Products to be defective in material or workmanship, normal wear and tear excluded. DOES NOT COVER MISUSE OR NEGLECT.

**THIS IS THE SOLE WARRANTY OF OMG ROOFING PRODUCTS AND THE SOLE REMEDY AVAILABLE TO DISTRIBUTOR OR BUYER.**

## IMPORTANT INFORMATION

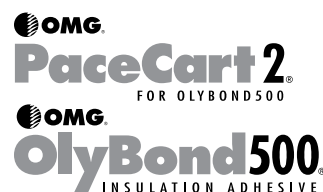
### to keep your PaceCart 2 dispenser operating smoothly

OlyBond500 and the patented PaceCart 2 System are a team, designed to work together to help make you more productive on the roof. The PaceCart 2 dispenser is engineered to work exclusively with the patented OlyBond500 Bag-in-Box to deliver insulation attachment that lasts and lasts. And the system is supported on the roof by OMG Roofing Products, the best in the business.

In order to get the most from your PaceCart 2 dispenser and to continue to receive the roof-top services that make your life easier, make sure that you always use authentic OlyBond Adhesives. The chemistry and physical properties of genuine OlyBond500 Adhesives are specifically designed to flow smoothly through the PaceCart 2 dispenser and will not create mechanical stress on drive system components or damage the supply lines.

The use of any chemicals not supplied by OMG may cause damage to the PaceCart 2 hoses and pumps, and should be avoided. OMG cannot control the fillers and solvents supplied by other manufacturers, and will not take responsibility for repairing carts damaged by third party chemicals. OMG has the highest confidence in the quality and performance of its products, and when genuine OlyBond500 Adhesives are purchased from authorized OMG distributors, they are supported by the entire OMG Roofing Products Team. With genuine OlyBond500 Adhesives, you can be assured of the highest standards of quality and enduring performance.

*Don't settle for an imitation when you can have the original. Use authentic OlyBond500 Adhesives to get the job done.*



**OMG ROOFING PRODUCTS**  
153 BOWLES RD., AGAWAM, MA 01001 USA  
800-633-3800 | 413-789-0252  
WWW.OLYFAST.COM



# 

KEY	DESCRIPTION	PART #
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### 

1	1.25" Handle Grip (2)	
2	Front Foam Tire (Front) (2)	OBPC-FOAMTIRE
3	Foam Caster (Rear) (2)	OBPC-CASTER
4	On/Off Switch (Ref)	
5	90° Swivel 3/8" Male ORB	
6	x 1/2" Female NPT	OBPCART2-FITKIT
7	90° 3/4" Hose Barb x 5/8" Male ORB	OBPCART2-FITKIT
8	45° 3/4" Hose Barb x 5/8" ORB	OBPCART2-FITKIT
9	Tee 1/2" NPT x 1/2" NPT x 1/2" NPT	OBPSWITCHKIT
10	Pressure Switch	OBPSWITCHKIT
11	Hex Reducer 1/2" Male NPT	
12	x 1/4" Female NPT	OBPSWITCHKIT
13	45° 1/2" NPT x 1/2" JIC	OBPSWITCHKIT
14	Tygon Hose (2)	OB17GRAVHOSE
15	Black Connector Part 1	OBCONKIT
16	Gray Connector Part 2	OBCONKIT-GRAY
17	Baldor Motor VI3504 1/2 hp.	OBPC2B-MOTOR
18	Dodge Gear Box	
19	Clutch	OBPC2B-CLUTCH
20	Pump, Chemical 5.2 cc (2)	OB213PUMP
21	Pump L Bracket	
22	Pump L Bracket Slotted	
23	Clutch Guard	
24	J-Box (Ref)	
25	Main Frame PaceCart	
26	Hood	
27	Hinge (2)	
28	Gun Mount	
29	Hinge Mount Bolt (2)	
30	Gearbox Base Plate	
31	90° 1/2" JIC x 3/8" ORB	OBPCART2-FITKIT
32	30' Hose with 1/2" JIC Female Ends (2)	OB500HOSE-30
33	36" Whip Hose 1/2" Male JIC	
34	x 1/2" Female JIC (2)	OB18WHIP
35	1" Hose Clamp (4)	
36	Hitch Pin for Wheel (2)	
37	Pump Support F/E with Clamp	
38	Southco Knob	
39	Pump Bracket Spacer (4)	
40	1 1/2" Hose Clamp	
41	Contact Relay	OBPC-CONRELAY

### 

39	Complete Gun Assembly	OB500PCARTGUN
40	Handle	OB07HANDLE
41	Screw (2)	OB10LSCREW
42	Screw (4)	OB09SCREW
43	Nozzle Tip	OB02NOZTIP
44	O Ring (2)	OB12ORING
45	Manifold	OB01MANIFOLD
46	Ball Valve (2)	OB05VALVE
47	Mix Tips (Bundle of 20)	OB500MIXTIP-20

For part numbers not listed or for older models, please call OMG for assistance.

**PATENT NOTICE:** The OMG PaceCart® dispensing cart and the Bag-in-Box OlyBond500® Part 1/Part 2 adhesive system, including the adhesive dispensing method, is covered by one or more of U.S. Patent Nos. 6,220,526; 8,113,385; 8,132,693 and 8,167,170.

