



# Adhesive Spray Applicator PS-98

Information Folder

PM23E

June 98



Figure 1

## Health and Safety Information

3M™ Stamark™ Pavement Preparation Adhesives, 3M™ Scotch-Lane™ Pavement Preparation Adhesives are used with the 3M™ Adhesive Spray Applicator PS-98.

### Precautions:

Keep product and its vapors away from heat, sparks and open flames. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Avoid prolonged breathing of vapor or overspray (airborne adhesive particles) from spray applications. Avoid eye contact. Avoid prolonged or repeated contact with skin. Keep container closed when not in use. Keep out of use of children.

Read all health hazard, precautionary, and first aid statements found in the Material Safety Data Sheet, and/or product label of chemicals prior to handling or use. Also refer to the MSDS for information about the volatile organic compound (VOC) content of chemical products. Consult local regulations and authorities for possible restrictions on product VOC content and/or VOC emissions.

## Description

The 3M™ Adhesive Spray Applicator PS-98 (Figure 1) applies an even coat of 3M™ Stamark™ Pavement Preparation Adhesives, 3M™ Scotch-Lane™ Pavement Preparation Adhesives and 3M™ Stamark™ Sprayable Adhesives to the pavement to prepare it for preformed markings coated with pressure sensitive adhesive.

The three-wheeled steel-chassis carries a gear-pump driven by the rear-axis, steel tubes, flex-tubes and a spray-arm with a double-nozzle sprayhead for spray-widths up to 20cm. The spray-arm can be installed pointing to the left or the right side of the applicator. The vertical position of the spray-head is not adjustable.

## Operation

- Assemble spraycart like shown in figures 2-5.
- Remove the cover and inside seal from the adhesive can. Stir thoroughly. Replace the cover and open the pour spout on top of the can. Push the siphon tube all the way into the can.

**Warning:** Do not operate applicator with adhesive near open flames, sparks, cigarettes, etc. .

- Push the applicator forward with fast walking speed. Pull the handle grip to start the pump and spray. For the first spray action pull handle grip earlier to fill all the tubes with primer. Release the grip to stop the pump.
- The spray pattern width is 18-20cm spray for 15cm tape. This spray pattern provides a average of about 400 lineal meter per 20L (one can) of Pavement Preparation Adhesive. If tape wider than 15cm is to be applied, make multiple passes with the Adhesive Spray Applicator. Remember that the spray-arm is not adjustable in vertical position!

**Note:** When making multiple passes with the PS-98 applicator be sure to overlap the spray pattern and allow additional drying time for the overlap area.

- For additional adjustment, loosen the threaded ring holding the fluid tip and turn the tip so that the slotted opening is at an 90° angle with the direction of travel. Retighten the threaded ring while holding the tip at the desired angle. For normal use, keep the opening at a 90° angle to the direction of travel.

**Note:** The pump delivers a uniform spray at normal walking speeds. A fast walking speed will provide a better spray pattern from the pump. A slow walking speed will not provide a adequate spray pattern or coverage and may cause the primer to dribble from the spray applicator.

## Assembly Instructions

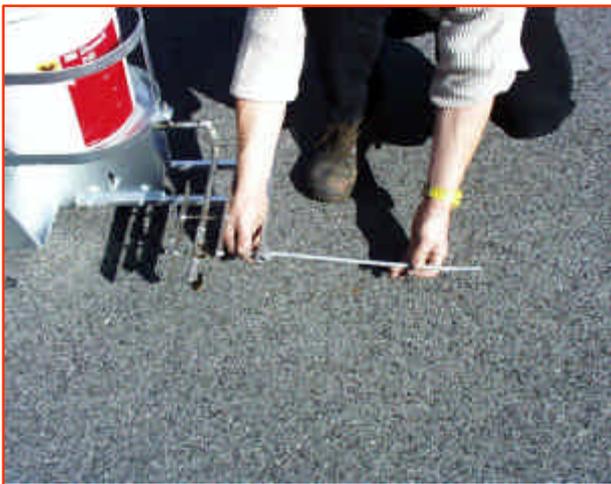
Assemble spray-cart like follows:



**Fig 2:** Fixing sprayarm



**Fig 3:** Closing main screw



**Fig 4:** Adjusting pointer



**Fig 5:** Fixing spray protection cardbox

## Operation and Maintenance



**Fig 6:** To spray pull handle grip. Releasing grip stops pump.



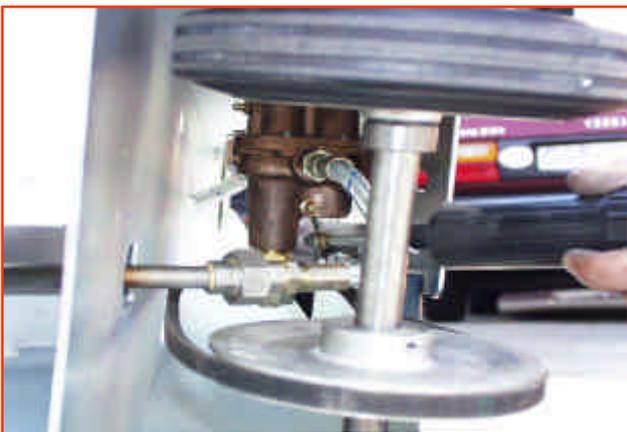
**Fig 7:** For continuous lines grip can be fixed.



**Fig 8:** To clean system pull back the spray cart with pulled grip to pump back primer into can. Afterwards clean system with solvent.



**Fig 9:** Grease pump at two grease points after intensive use.



**Fig 10:** Grease point 2

### **Clean up**

1. When finished priming, pull the PS-98 backwards 3-5 m with pulled handle grip, to draw the primer back into the can, and remove the siphon tube from the primer.
2. Insert the siphon tube into a can of regular solvent, place a catch pan under the spray nozzles and rotate the rear wheels until the solvent from the spray nozzles appears clear.
3. Remove the siphon tube and spray the rest of the liquid into the patch-can until all tubes and gear pump is empty.
4. Dispose of the cleaning solvent according to local regulations and guidelines.

### **Trouble shooting**

If you experience a non-uniform spray-pattern try to accelerate your walking speed.

If problem still occurs check spray-nozzles if they are 100% open. If not, disassemble spray-heads and clean spray tips properly.

Make shure you clean spray system carefully after every use. Never leave primer in the pump and tube system over night.

3M assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

#### **Important Notice**

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



#### **3M Laboratories (Europe) GmbH**

Traffic Control Materials Division

Hansastraße 9

41453 Neuss, Germany

Tel.: (49) 0 21 31 / 14 33 94 or 27 93

FAX: (49) 0 21 31 / 14 31 73