



Adhesive Spray Applicator PS-98

Stamark™ Pavement Marking Tapes

Information Folder IF PS-98

Jan 2015

Health and Safety Information

The 3M™ Adhesive Spray Applicator PS-98 is intended to be used to apply 3M™ Stamark™ Surface Preparation Adhesive P50 to the road surface.

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: wear appropriate eye and skin protection! 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 Adhesive P50 to the pavement to prepare it for preformed markings coated with pressure sensitive adhesive.



Figure 1: Primer Spray Applicator PS-98

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 spray head 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 spray cart 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 of the PS-98 all the way into the can.

Warning: Do not operate the applicator 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.

^(*) New PS-98 spray carts do not have a handle; for spraying the front wheel has to touch the surface.

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 Surface Preparation Adhesive P50. If tape wider than 15cm is to be applied, multiple passes with the PS-98 applicator are required. 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 spray tip and turn the tip so that the slotted opening is at a 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. A slow walking speed will not provide a adequate spray pattern or coverage and may cause the primer to dribble from the spray applicator.

When you interrupt the Application with the PS-98 applicator during the application pull the PS-98 applicator backwards 3-5 m with pulled handle grip, to draw the primer back into the can, and remove the siphon tube from the primer. In this way droplets of primer on the surface will be avoided.

Assembly instructions

Please assemble Spray cart as displayed in Figure 2-5.



Figure 2: Fixing Sprayarm (possible to the right and left side)



Figure 3: Tighten Main Screw



Figure 4: Install Pointer



Figure 5: Add protective cardboard

Operation and Maintenance

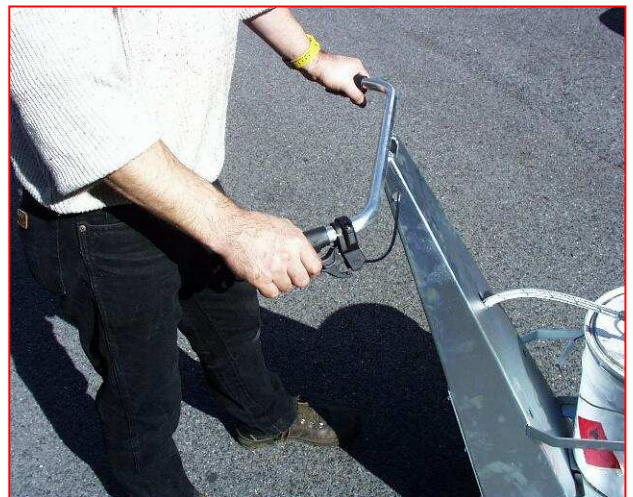


Figure 6: To spray pull handle grip, releasing stops the pump [New Equipment: The pump is driven by the front wheel. Let front wheel touch the ground for spraying, while pushing spray cart]



Figure 7: Grip can be fixed for spraying continuous lines [Not applicable for New Equipment]



Figure 8: To clean the system: Pull spray cart backwards with the grip being pulled to pump back the primer into the can. [New Equipment: pull back the spray cart with all wheels touching the surface]

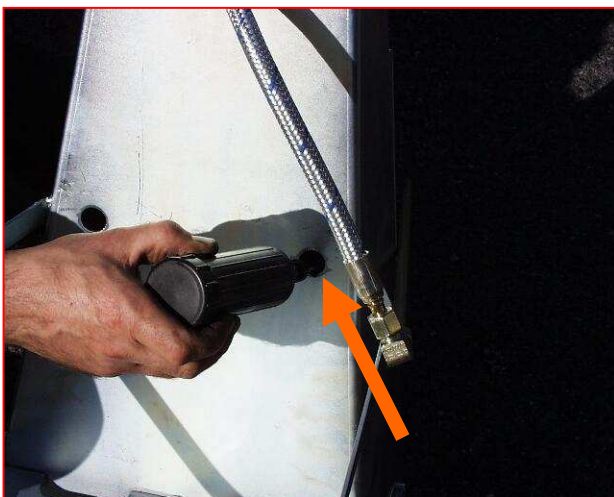


Figure 9: Grease the equipment at the shown points after intensive use

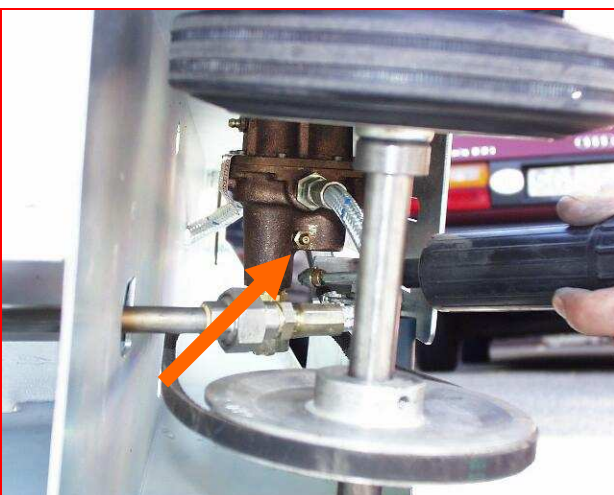


Figure 10: 2nd Pivot point

Clean up

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.

^(*) For New Equipment: have all wheels touching the ground while pulling the Applicator backwards.

Insert the siphon tube into a can of regular gasoline or Methyl Ethyl Ketone, place a catch pan under the spray nozzles and rotate the rear wheels^(*) until the solvent from the spray nozzles appears clear.

^(*) For New Equipment the front wheel.

Remove the siphon tube and spray the rest of the liquid into the patch-can until all tubes and gear pump is empty. Never leave primer in the pump and tube system overnight!

Dispose 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 sure you clean spray system carefully after every use.

PS-98 Spare Parts:

Spare parts can be ordered directly at the machine manufacturer. Please contact your 3M representative for further information.

Literature References

For additional information on 3M™ Stamark™ Tapes, Application Instructions or 3M™ Application Equipment, refer to the following publications:

- IF OV Information Folder Overlay Application
- IF P50 Information Folder Surface Preparation Adhesive 3M™ Stamark™ P50
- IF MTA2 Information Folder Manual Tape Applicator MTA-2
- IF RTC3 Information Folder Tamper Cart RTC3
- PB A340 Product Bulletin 3M™ Stamark™ Durable Tape Series A340
- PB A380 Product Bulletin 3M™ Stamark™ High Performance Tape Series A380SD
- PB A820 Product Bulletin 3M™ Stamark™ Wet-Reflective Tape Series A820
- PB A650 Product Bulletin 3M™ Stamark™ Temporary Tape Series A650
- PB A720 Product Bulletin 3M™ Stamark™ Temporary Wet-Reflective Tape Series A720
- PB A750 Product Bulletin 3M™ Stamark™ Temporary Wet-Reflective Tape Series A750

Guarantee /Liability

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.

Prerequisite for the guarantee is that the tape was processed according the instruction of this and other related technical information folders.

Important Notice

All statements, technical information and recommendations herein are based o tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. All questions of warranty and liability relating to this product are governed by the terms of the sale subject where applicable to the prevailing law.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

Further assistance

For help on specific questions relating to 3M™ pavement marking products, please contact your local 3M Technical Service person or contact:

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