

[Manuals.plus](#) /

› [PECO](#) /

› PECO PPCPSG1 Pro Grass Micro Applicator User Manual

PECO PPCPSG1

PECO PPCPSG1 Pro Grass Micro Applicator User Manual

Model: PPCPSG1

1. INTRODUCTION

The PECO PPCPSG1 Pro Grass Micro Applicator is a specialized tool designed for model railway enthusiasts and diorama builders to apply static grass fibers to create realistic ground cover. This device uses an electrostatic charge to make the grass fibers stand upright, mimicking natural vegetation. Please read this manual thoroughly before use to ensure safe and effective operation.



Figure 1.1: The PECO PPCPSG1 Pro Grass Micro Applicator. This image displays the compact design of the applicator, ready for use in creating realistic static grass effects on model landscapes.

2. SAFETY INFORMATION

Your safety is paramount. Observe the following precautions:

- **Adult Supervision:** This product is not a toy. Keep out of reach of children. Adult supervision is required if used by individuals under 18.
- **Power Source:** Use only the specified batteries (e.g., 9V PP3 battery). Do not mix old and new batteries, or different types of batteries.
- **Static Electricity:** The applicator generates a high static charge. Avoid contact with the sieve and grass fibers during operation. Do not use near sensitive electronic equipment.
- **Flammable Materials:** Do not use near flammable liquids, gases, or dust. Static grass fibers are typically synthetic and can be flammable.
- **Moisture:** Do not expose the applicator to water or high humidity. This can cause electric shock or damage to the device.
- **Grounding:** Always ensure proper grounding of the applicator to your work surface as instructed in the operating section.
- **Maintenance:** Disconnect power (remove batteries) before cleaning or performing any maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- PECO PPCPSG1 Pro Grass Micro Applicator unit
- Assorted sieves (e.g., fine, medium, coarse)
- Grounding cable with crocodile clip
- Instruction Manual (this document)
- *Note: Static grass fibers and 9V PP3 battery are typically sold separately.*

4. SETUP

1. Install Battery:

Open the battery compartment cover, usually located at the base or handle of the applicator. Insert a fresh 9V PP3 battery, ensuring correct polarity (+/-). Close the compartment securely.

Image Description: A conceptual image would show the battery compartment being opened and a 9V PP3 battery being inserted with correct polarity.

2. Attach Sieve:

Select the appropriate sieve for the length of static grass you intend to use. Screw or clip the chosen sieve onto the applicator head. Ensure it is firmly attached to maintain proper electrical contact.

Image Description: A conceptual image would illustrate different sieve sizes and the process of attaching one to the applicator head.

3. Load Static Grass:

Carefully pour the desired static grass fibers into the applicator's hopper, ensuring not to overfill. Do not fill above the maximum fill line, if indicated.

Image Description: A conceptual image would show static grass fibers being poured into the applicator's hopper.

5. OPERATING INSTRUCTIONS

1. Prepare Surface:

Apply a layer of suitable adhesive (e.g., PVA glue, static grass glue) to the area where you wish to apply static grass. Ensure the glue is wet and tacky.

2. Connect Grounding Cable:

Attach the crocodile clip of the grounding cable to a small nail, pin, or conductive object inserted into the glued area. Connect the other end of the grounding cable to the designated port on the applicator (usually a metal stud or socket).

Image Description: A conceptual image would show the grounding cable connected to both the applicator and a pin in the glued surface.

3. Apply Static Grass:

Hold the applicator approximately 5-10 cm (2-4 inches) above the glued surface. Press and hold the activation button. Gently shake the applicator to release the static grass fibers. The electrostatic charge will cause the fibers to stand upright as they fall onto the glue.

Image Description: A conceptual image would depict the applicator being held over a glued surface, with static grass fibers falling and standing upright.

4. Repeat and Finish:

Continue applying grass until the desired density is achieved. Once finished, release the activation button. Allow the glue to dry completely before handling the grassed area. Any loose fibers can be removed with a vacuum cleaner after the glue has dried.

6. MAINTENANCE

- **Cleaning:** After each use, remove any remaining static grass from the hopper. Use a soft, dry brush to gently clean

the sieve and the interior of the hopper. Do not use water or cleaning solvents.

- **Battery Removal:** If the applicator will not be used for an extended period, remove the 9V PP3 battery to prevent leakage and damage.
- **Storage:** Store the applicator in a dry, dust-free environment, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case if available.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Grass fibers do not stand upright.	• Weak or dead battery. • Improper grounding. • Sieve not properly attached. • Glue too dry or unsuitable type.	• Replace with a fresh 9V PP3 battery. • Ensure grounding cable is securely connected to both applicator and work surface. • Check sieve attachment for firm contact. • Apply fresh, suitable static grass adhesive.
No grass fibers are dispensed.	• Hopper empty. • Sieve clogged. • Activation button not pressed.	• Refill hopper with static grass. • Clean sieve with a dry brush. • Ensure activation button is fully pressed during operation.
Uneven grass application.	• Inconsistent shaking. • Applicator held too far or too close. • Uneven glue application.	• Shake applicator gently and consistently. • Maintain a consistent distance (5-10 cm) from the surface. • Ensure glue is applied evenly across the desired area.

8. SPECIFICATIONS

- **Model:** PPCPSG1
- **Power Source:** 1 x 9V PP3 Battery (not included)
- **Output Voltage:** High voltage electrostatic charge (for static grass application)
- **Dimensions:** Approximately 150mm (H) x 50mm (Dia) *(estimated, for illustrative purposes)*
- **Weight:** Approximately 100g (excluding battery) *(estimated, for illustrative purposes)*
- **Material:** Durable plastic casing, metal sieve
- **Intended Use:** Application of static grass fibers for model railways and dioramas.

9. WARRANTY INFORMATION

PECO products are manufactured to high standards and are subject to rigorous quality control. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. The warranty period typically covers 12 months from the date of purchase. Please retain your proof of purchase for any warranty claims. The warranty does not cover damage caused by misuse, accident, unauthorized modification, or normal wear and tear. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official PECO website.

10. CUSTOMER SUPPORT

Should you encounter any issues or have questions regarding your PECO PPCPSG1 Pro Grass Micro Applicator, please contact PECO customer support:

- **Website:** www.peco-uk.com (for product information, FAQs, and contact details)
- **Email:** Refer to the PECO website for the most current support email address.
- **Telephone:** Refer to the PECO website for regional contact numbers.

When contacting support, please have your product model number (PPCPSG1) and proof of purchase readily available.