e9 Pro Performance Metal Treatment Instructions for Spray, Dip, Flush and Wipe Application.

Included in the Treatment Package

- e9 Pro Performance Treatment with black air tight cap. *Package Size 1L*
- SDS and Application Guidelines
- Spray Top *(Does not provide an airtight seal. Recommended to use for spray application ONLY – not for long term storage of treatment.)*

Spray Application Instructions

1. Ensure that the area for conducting treatment is a well ventilated space.
2. Be sure to wear gloves, as well as safety glasses with side shields before beginning.
3. Clean the metal surface to be treated with a degreaser to remove any oil, dust, or dirt residue. The treatment will not adhere properly to an unclean part.
4. Rinse the part with clean water and wipe the surface dry with a clean microfiber or lint free cloth.
5. Remove the original air tight black cap and install the spray top on the treatment bottle. Make sure to store the black cap in a safe place. *Do not lose it.*
6. Open the Spray top nozzle up to one half turn to get a cone shaped spray profile. *Turning the nozzle further will make a jet stream profile that is not recommended for treatment.*
7. Gently shake the e9 Treatment bottle.
8. Working quickly spray 9 strokes per each square foot on the clean metal surface.
9. Repeat Step 8 until the entire device surface is treated. The treatment dries very quickly.
10. Optionally wipe down the treated area to remove any streaks or residue using a clean microfiber cloth.
11. The e9 treated surface is now hydrophobic and oleophobic.
12. You may confirm a part is treated by performing the Dyne pen test detailed in these instructions.
13. Repeat Steps 1 – 9 for each device or part to be treated.
14. When finished treating all parts, replace the spray top with the original black air tight cap to ensure proper storage and avoid loss of treatment due to evaporation.

Dip Application Instructions

1. Ensure that the area for conducting treatment is a well ventilated space.
2. Be sure to wear the gloves provided, as well as safety glasses with side shields before continuing.
3. Clean the metal surface to be treated with a degreaser to remove any oil, dust, or dirt residue. The treatment will not adhere properly to an unclean part.
4. Rinse the part with clean water and wipe the surface dry with a clean microfiber or lint free cloth. For internal part surfaces, rinse with Isopropyl alcohol to remove any residual water or blow dry with shop air, if available.
5. Use a clean container for dipping, like a bucket, in which the part to be treated will fit and be submerged when filled with treatment. e9 Treatments recommends use of a plastic container made of HDPE material,

which is compatible with e9 Treatment. *Dip buckets with air tight lids are available for purchase from e9 Treatments.*

6. The container should be empty, clean, and free of any dirt or debris.
7. Fill the container with e9 Metal Treatment to the level required to submerge the parts in the treatment. **DO NOT DILUTE THE TREATMENT.**
8. Dip the clean, dry metal part(s) into the treatment for a minimum of 60 seconds (2 minutes preferred). If the part sits flat in the bucket, flip it over $^1/_2$ way through the dip time.
9. Shake the part to remove or dislodge any air bubbles and to ensure the treatment wets all surfaces of the part.
10. Carefully remove the part(s) from the container. Allow excess treatment solution to drain back into the container. Part(s) will be dry to touch in a few seconds.
11. Optionally, wipe down the part to remove any streaks or residue using a clean microfiber or lint free cloth.
12. You may confirm a part is treated by performing the Dyne pen test detailed in these instructions.
13. Repeat Steps 1 – 11 for each part or group of parts to be treated.
14. When finished treating parts, transfer the treatment from the bucket back into the bottle.
15. Tightly close the e9 treatment container to prevent evaporation.

Flush Application Instructions

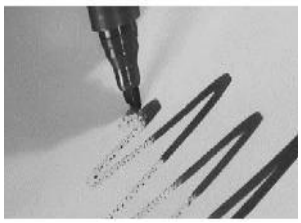
1. Ensure that the area for conducting treatment is a well ventilated space.
2. Be sure to wear gloves, as well as safety glasses with side shields before continuing.
3. Clean the metal surface to be treated with a degreaser to remove any oil, dust, or dirt residue. Rinse with water and dry with compressed air or alternately, rinse with Isopropyl alcohol and allow to dry before proceeding.
4. Close and seal all open ends (but one) of the part to ensure there will be no leaks when the part is filled with the treatment. Appropriate sealing methods include a valve or natural rubber stopper that fits your part opening.
5. Pour e9 Metal Treatment into the part from the open end, filling the part until all surfaces to be treated are wetted and the part is completely filled with liquid. A clean funnel may be used to make pouring easier.
6. Allow the treatment to remain in contact with the internal surfaces for a minimum of 60 seconds (2 minutes of treatment timed is preferred). Optionally, the open end can be sealed as well to avoid accidental spillage while treating.
7. Shake the part gently to remove or dislodge any air bubbles and to ensure the treatment wets all the internal parts.
8. Transfer the treatment from the part back into the bottle.
9. Repeat Steps 1 – 8 for each part to be treated.
10. When finished treating parts, tightly close the e9 treatment container to prevent evaporation.

NOTE: As an alternative, e9 Treatment offers a closed-loop e9 Flush Treatment Apparatus for flushing up to 2 devices simultaneously.

Wipe Application Instructions

1. Ensure that the area for conducting treatment is a well ventilated space.
2. Be sure to wear the gloves, as well as safety glasses with side shields before beginning.
3. Clean the metal surface to be treated with a degreaser to remove any oil, dust, or dirt residue. The treatment will not adhere properly to an unclean part.
4. Rinse the part with clean water and wipe the surface dry with a clean microfiber or lint free cloth. For internal part surfaces, rinse with Isopropyl alcohol to remove any residual water or blow dry with shop air, if available.
5. Dab a generous amount of treatment on a clean and dry microfiber cloth from the treatment bottle.
6. Working quickly in 1 sq. ft. sections, wipe the surface until completely covered with treatment. Note: The treatment will dry rapidly.
7. Repeat steps 5-6 multiple times until the entire surface is treated.
8. The e9 treated surface is now hydrophobic and oleophobic. You may confirm this using a Dyne pen.
9. Repeat Steps 1 – 8 for each part to be treated.
10. When finished treating parts, tightly close the e9 treatment container to prevent evaporation.

Dyne Pen Test Procedure



You may test that a surface has been treated using the Dyne Pen provided with your e9 Metal Treatment. Simply swipe the Dyne pen across the surface. The liquid from the Dyne Pen should start to bead up within a few seconds on a treated surface, similar to the left side of the picture at right. Wipe off the remaining Dyne pen liquid after testing.

If the Dyne pen does not bead up, the surface was not clean before treating. Re-clean and re-treat the part(s) to be treated.

Recommendations

Use gloves and safety glasses and a well ventilated space when applying this product. After use, tightly close the e9 treatment bottle with the black air tight cap to prevent evaporation of the treatment. Store the treatment indoors in a dry, room temperature environment.

Disposal Instructions: Send used, expired, or unwanted e9 Metal Treatment to an approved waste facility. All wastes must be handled in accordance with local, state and federal regulations. Do not allow product to reach sewage system or any water course. See SDS for more information.