



MotoSolutions™

# RAINCOAT® WATER REPELLENT SPRAY

## Frequently Asked Questions

**Q. Does Raincoat® work on glass (windows, scopes, binoculars, etc.), stone, porcelain?**

A. No, the Raincoat® formula will NOT work on glass windows or other glass optics. So it will not work on automobile windows/mirrors (except for race cars where acrylic plastics are used), binoculars/scopes/binoculars.

**Q. Why do I need to buff with a 100% cotton cloth? Can't I use microfiber or synthetic?**

A. Some microfiber and synthetic cloths are too aggressive and can actually remove the Raincoat® coating while you buff. So we suggest sticking with cotton. For larger surfaces, use a soft cotton towel, Tshirt, flannel, or similar.

**Q. How should I clean my plastic surface after applying Raincoat®?**

A. Use your usual method. Dishwashing soap and water work well. Other cleaners such as Plexus® work too. As you rinse, observe the water drops to see if Raincoat® is working. If drops are not rolling off quickly, reapply.

**Q. How long does Raincoat® last? How can I tell when it is time to reapply Raincoat®?**

A. You should expect to get good water repellency for many days and up to several weeks or more depending on conditions (type of plastic, coatings, amount of water, speed, oil/grease, heat) and how aggressively you clean. Sprinkle a few drops of water on the plastic. If they bead up and roll right off, the Raincoat® is working well. If they are sticking, it is time to reapply.

**Q. Is it normal for some smaller drops to stay on the surface?**

A. Yes. However these drops will be beaded up and interfere less with your vision. A small amount of wind is usually all it takes to remove these tiny droplets.

**Q. I have a plastic plane/helicopter, outdoor window, security dome that is hard to move out of the weather. Can Raincoat® be applied outside in wet conditions?**

A. Yes there are customers who have successfully applied Raincoat® in drizzle although not in heavy rain. Always try on a non critical window first. You will need to have a supply of larger dry cotton towels ready. First, dry the plastic ignoring new drops. Lightly spray on Raincoat®. Then immediately use a small cloth to rub in the coating over the entire surface. Use a dry towel (or two) to remove any excess coating. You will need to buff quickly and aggressively, turning the cloth often to dry and smooth out the coating.

**Q. Will Raincoat® work on plastics that are not clear?**

A. Yes. Try on Formica®/Corian® type countertops, painted surfaces, tub/shower surrounds, etc.

**Q. Will Raincoat® stop fogging, misting, or condensation?**

A. No. The drops that cause fogging are too small to be repelled by Raincoat® until they come together.

**Q. Can I use Raincoat® to waterproof my clothes, boots, etc.?**

A. No, because the wax in Raincoat® will turn the object white.

**Q. Won't the alcohol in Raincoat® affect some plastics or their coatings?**

A. Our research and testing show that at under 10% ethanol (ethyl alcohol), we believe that Raincoat® is very safe for all plastics and coatings including polycarbonate and acrylics like Plexiglas® or Lucite®. If you have concerns, test a small area first with multiple applications.

**Q. After I apply, I am seeing some halo effects especially at night. How do I fix that?**

A. Halo effects or haze is the result of not completely buffing off the excess wax. Buff with a clean cotton cloth and, if needed, go ahead and reapply being careful to turn your cloth frequently as you buff.

**Q. Will applying multiple coats of Raincoat® work better? Does Raincoat® build up and turn yellow?**

A. There does not seem to be any benefit from applying multiple coats. Raincoat® does not appear to build up and turn yellow or hazy over time.

**Q. How do I remove Raincoat® completely?**

A. Very gently use a melamine sponge (eg. Mr. Clean Magic Eraser) with water and soap. Try a small area first to determine if the sponge will scratch your optics. Don't use these sponges on soft plastics or anti-fog coatings.

**Q. Does Raincoat® help keep dirt and bugs from my lenses? Is it easier to remove bugs?**

A. Your lenses will stay cleaner as streaking and water spots are nearly eliminated. Water drops also attract dust and you will have less of that. As far as repelling or helping to remove bugs, we have mixed reports so send an email to [gene@motosolutions.com](mailto:gene@motosolutions.com) with your experience.

**Q. Can I use Raincoat® on machine tool windows or with deicing equipment windows where the chemical/oil/water spray makes it difficult to see?**

A. Yes, but the oil or chemicals might reduce the repellent effect fairly rapidly. We have added an oil repellent, but it may or may not help in your application. Clean any oil or grease off the window or lens before applying. Email your experience to [gene@motosolutions.com](mailto:gene@motosolutions.com)