

WaterOFF!™ is a surface treatment product that provides a durable water-repelling surface on glass. WaterOFF!™ treated glass repels rain, snow, and sleet for drastically improved visibility. The treated glass enables easy removal of ice, salt, mud, dirt and bugs. When used on automotive windshields, the product can minimize the use of wipers in heavy rain and high-speed driving conditions. The key differentiation between WaterOFF!™ and other surface coatings is that it is highly durable and can withstand abrasion, erosion, ultraviolet radiation, and chemicals for a much longer period of time. The product is equally applicable for both OEM and aftermarket, and it is sold in 4-oz spray bottles, as well as 1-gallon refill jugs.

PHYSICAL CHARACTERISTICS

Product Form: One-part liquid
Color: Colorless

TECHNICAL DATA

Water Contact Angles: Static: 100 – 105°; Advancing: > 102°; Receding: > 98°
Transparency: Fully transparent with no optical distortion transmittance > 98%
Mechanical and Solvent Resistance: Withstands in excess of 200 rubs with solvent-soaked cotton cloth (solvents: acetone, MEK, xylene)
UV Resistance: Static water contact angle >98° after 1000 hours of QUV exposure (1.5 W/m² @ 340 nm, 60°C)
Durability: No degradation in 6 months (covering a spring and a summer) after application on automotive windshield
Shelf life: 1 year
Coverage: 1,600 – 2000 ft² per gallon

APPLICATION DIRECTIONS

Spray a thin layer of WaterOFF!™ solution onto the glass surface. Avoid pointing the spray nozzle to the face. Take a cotton cloth or towel to buff the wetted surface in a circular and overlapping motion to create an evenly hazy surface. Reapply WaterOFF!™ solution to ensure uniform and complete coverage. Allow the hazy surface to dry 5-10 minutes. Remove the haze with a dry cotton cloth or towel by forcefully wiping the surface until the surface is crystal clear. Avoid applying the treatment at temperatures below 10°C and directly under strong sunshine. Prior to applying WaterOFF!™ on the entire surface, practice on a discrete small area.

For OEM application, dispense the WaterOFF!™ solution onto the glass surface in a thin layer. Buff the wetted surface in a circular and overlapping motion with a cotton or microfiber pad to create an evenly hazy surface. Allow the hazy surface to dry 10 minutes. Wash the surface with conventional paint thinner to remove the haze.

STORAGE & HANDLING

Precautions for Safe Handling

Wear gloves at all times during application. Avoid contact with eyes, skin and clothing. Provide good ventilation or extraction and avoid prolonged or repeated breathing of vapor. Keep away from heat, sparks, flames and other sources of ignition. Wash hands thoroughly after handling.

Conditions for Safe Storage

Keep container tightly sealed and store in a dry and cool area. Avoid storage above 40°C / 104°F and contamination with incompatible materials. Keep away from heat, sparks, flames and other sources of ignition.

Refer to SDS for complete information on the safe handling of this product.

ADDITIONAL INFORMATION

NEI Corporation believes that the information in this technical data sheet is an accurate description of the typical use of the product. However, NEI disclaims any liability for incidental or consequential damages, which may result from the use of their products that are beyond its control. Employers should use this information only as a supplement to other information gathered by them and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy, and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual right.