

HydrophobNeo-G

Easy Glass Protection

HydrophobNeo-G water repellent composition is used to protect glass surfaces. The composition is suitable for all types of glass surfaces:

- Automotive glass surfaces (windshields, side and back windows, mirrors);
- Glass windows;
- Glass interior surfaces;
- Glass showcases;
- Glass showers;
- Mirror glass surfaces.

Description

HydrophobNeo-G water repellent composition is designed to impart water repellent and frost resisting properties to all types of glass surfaces. The composition is used for windshield treatment as "rain repellent". When applied to glass surfaces the HydrophobNeo-G composition improves visibility by repelling rain, sleet and snow. The water repellent prevents the glass surfaces from being wetted with water and being adhered with dirt.

Composition: Polyorganosiloxane, solvent (isopropanol). Produced in accordance with the Technical Regulations 2229-001-73350653-2006.

Uses

- ✓ Effective protection of glass surfaces from aggressive weather impact;
- ✓ Effective windshield treatment resulting in making the visibility ahead extremely clear and increasing comfort and safety of driving;
- ✓ Effective hydrophobization of glass and mirror surfaces protecting from the dirt sticking, making the cleaning of glass surfaces easier and increasing the transparency of glass;
- ✓ Formation of the protective coating causing the appearance of "rolling off water drops" effect and promoting the increase of the efficiency of wiper blades;
- ✓ Use in preservation and restoration of ABC plastic articles.

Packaging

1,691 fl. oz. (50 ml) Spray Bottle

3,381 fl. oz. (100 ml) Bottle

Features and Benefits

Glass surfaces treated with HydrophobNeo-G have water-repellent and frost resisting properties. They become resistant to atmospheric precipitation. The composition is effective against the rain, sleet, and snow as they just rolled away from the windscreen.

The HydrophobNeo-G water repellent agent forms a hydrophobic molecular layer on the glass surface. As a result of this treated surface is protected from sticking of water and dirt. The protective coating on the glass surface created by the composition makes the water to bead up and fall off the surface. The glass surface remains clean and dry for a long time, so the lifespan of the treated windshield is increased. When applied to glass surfaces the HydrophobNeo-G agent makes the visibility ahead extremely clear by repelling rain, sleet and snow; and increases comfort and safety of driving. The windshield treatment promotes the increase of the efficiency of wiper blades.

The HydrophobNeo-G composition does not form a film – it penetrates the surface to form a water repellent layer within the material to reduce water penetration. As a result of this the transparency of glass surface is increased. It is especially important to the old cars. Their windshields may be full of scratches. Due to the filling of micro cracks the transparency of the treated glass surfaces is increased. The windshield treatment with HydrophobNeo-G is especially recommended to the cars of 1 or more years old.

Due to the unique composition, the HydrophobNeo – G agent provides water-repellent properties to unpainted ABS plastics and restores the appearance of ABC plastic articles. The "HydrophobNeo – G" composition is safe for car paintwork and rubber seals.

The unique water repellent agent can be added to a windshield washer reservoir. The "HydrophobNeo – G" composition is made on the base of isopropyl alcohol, that is why this composition is compatible with many certified windshield washer fluids. As the additive to windshield washer fluids the HydrophobNeo-D is especially useful to commercial vehicles. If you are driving 125 miles (about 200 km) per day or more, this is the way of increasing safety and driving comfort in rainy and snowy weather easy and quickly - just add the composition to the washer fluid reservoir. The composition is safe for environment. The product does not need preliminary preparation: ready for use.

When used outdoors treated surfaces keep water repellent effect for about 1-3 months. Durability of the coating is approximate and may vary depending on the way of using, application conditions and climatic conditions. When reapplied to glass surfaces the duration of water repellent effect is increased. When applied to ABC plastic surfaces, they keep water repellent effect for about 1-6 months. In this case the durability of the coating mainly depends on pre-existing plastic appearance and climatic conditions. When added to the washer fluid reservoir "rolling off water drops" effect is lasting for about 1-3 months since the moment of finishing the use of the washer fluid with the additive.

Consumption

3,381 Fl. Oz. (100 ml)/ Coverage area: about 215 Sq. Ft. (20 sq. meters) or about 10 windshields, depends on the way of application. Consumption may vary depending on the way of application. As the additive to windshield washer fluid: 0.64 - 1.28 Fl. Oz./1 Gal. of washer fluid (or 5 - 10 ml/ 1 liter of washer fluid).

Technical Data & Physical Properties*

	Property	Test Data
1.	Appearance, odour	Low viscous transparent colourless liquid with alcohol odour
2.	Density at 20 °C	6.80 - 7.01 lb/gal (0,815 – 0,840 g/cm ³)
3.	Average consumption	0.016 fl. oz. / ft ² (0.005 L/ m ²)
4.	pH	6 – 8

* According to TR 2229-001-73350653-2006

Directions for Use

The HydrophobNeo-G composition does not need preliminary preparation: ready for use.

1. The additive to a windshield washer liquid: Shake the bottle and mix with the washer fluid. Consumption: 0.64 - 1.28 Fl. Oz./1 Gal. of washer fluid (or 5 - 10 ml/ 1 liter of washer fluid; or 1-2 lids of the bottle per 1 liter of washer fluid). The "rolling off water drops" effect appears in 2-3 minutes after spraying of the washer liquid. Every next run of spraying washer liquid results in increasing the water repellency of the surface. Mixed with the composition washer fluid is recommended to use in 3 months. **It is not recommended to add the composition every time when the windshield washer reservoir is filling up!** It is recommended to alternate filling the reservoir with the washer fluid mixed with

the additive and with the washer fluid without additive. This helps to preserve necessary proportion of the composition within the reservoir. When used regularly the concentration may be reduced to 10ml of the agent per 4 L of washer fluid.

If you are driving 125 miles (about 200 km) per day or more, this way of application is for you. If not, then you can use ordinary "classic" way of application.

2. The windshield treatment ("classic" way of application): Application must be to clean and dry surfaces. Air temperatures should be a minimum of 41 °F and a maximum of 95° F during the application and direct sunlight should be excluded. Spray the composition on the glass surface or apply to a small, folded, soft dry cloth (for example, a soft paper cloth). Then wipe onto exterior glass using a small circular and overlapping motion. Make sure that the composition has been applied evenly all over the surface. Allow product to dry for at least 20 minutes. Wipe the surface once again with a paper cloth using a large circular motion (without pressing). Repeat this process till excess of the composition disappears. Then wipe the surface with a microfiber clean cloth thoroughly. **Do not use microfiber cloths during the application of the composition! Microfiber cloths can be used only for removing of excess of the composition and final wiping of the glass surface.**

3. Restoration of the appearance of ABC plastic articles: Clean and dry surfaces before treating. Apply the composition to a small, folded, dry cloth. Then apply to plastic and wipe the surface with a dry cloth. Remove excess of the composition with a dry cloth. **Do not use microfiber cloths!**

NOTE: Sometimes when added to washer liquid reservoir, sediments may occur in the areas inaccessible to wiper blades. These hydrophobic sediments are difficult to wash off using a touchless car wash. They can be removed away by washing with car cleaners, containing isopropyl alcohol, or by multiple washing. This situation may occur if consumption of the composition is not complied. Do not use the amount of the composition above necessary. Do not use as the additive to washer fluid if you are driving less than 125 miles (about 200 km) per day. Use the certificated windshield washer fluids. Do not add the composition to water, if you use it instead of washer liquid. It is recommended to apply the composition to windshield in the "classic" way first before using as an additive to washer fluid.

Precautions

Keep out of reach of children. Read label before use.



HydrophobNeo-G Water Repellent Agent Product Data Sheet

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1) Contains isopropanol (highly flammable liquid). Keep away from heat, hot surfaces, open flames, sparks. No smoking during use. Keep container tightly closed. Keep cool. Avoid breathing dust, mist, spray, vapors. Use only outdoors or in a well-ventilated area.

2) Composition application should be held in protective glasses and gloves. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke during use.

3) After drying the coating is harmless for men and animals.

4) First aid measures: for skin contact - remove affected clothing and wash all exposed skin area with mild soap and water; for eye contact - immediately flush eyes thoroughly with water for at least 15 minutes, obtain medical attention if necessary; after inhalation - move to fresh air as quickly as possible, consult a physician if necessary; after ingestion - rinse mouth, obtain emergency medical attention.

For additional information for this product, refer to the Safety Data Sheet available at hydrophobneo.com.

Storage

When stored in original, unopened containers, the warranty storage time is 2 years of date of manufacture (see the package). During the composition storage influence of increased temperatures /over +35°C (+95°F)/ and direct sunlight should be excluded. The composition does not freeze at temperatures down to minus 50°C (-58°F).

Responsibility and Limited Warranty

The manufacturer warrants at the time and the place of shipment the water repellent agent will be of good quality and will comply with the Technical Regulations 2229-001-73350653-2006. The product quality will be confirmed by the Quality Certificate, which is issued to each batch of the product. However, the manufacturer cannot control the use of the product by others, and therefore does not give any guarantees of results and does not assume any obligations or responsibilities in connection with the use of the product without prior research or approval. It is recommended that the products be tested to determine if suitable for specific application. Responsibility remains with the architect, engineer or contractor, as well as, owner for the design, use and proper application of the composition. Customer and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

Manufacturer:

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