



Technical Data Sheet (TDS)

Issued by:

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OEM REACTIVE SILOXANE GLASS COATING – EXTREME HARDNESS FORMULA FOR GLASS

Product Lineup

- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 30ml
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 50ml
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 80ml
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 250ml
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 500ml
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 1L (500ml × 2)
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 4L
- OEM Reactive Siloxane Glass Coating - Extreme Hardness Formula for Glass 16L

1. Product Concept



This product is a reactive siloxane-based cured water-repellent coating designed for automotive glass surfaces.

Its reactive components chemically bond with hydroxyl groups on the glass surface, forming a dense and durable hydrophobic layer.

After curing, the surface exhibits excellent water-sliding performance, supporting long-term visibility during rainy conditions.

The expected durability of water repellency is approximately 12 months under normal usage conditions.

2. Composition & Key Features

- Type: Reactive siloxane-based glass water-repellent coating
- Form: Liquid (cured type)
- Recommended Usage Amount: Approx. 10 ml per vehicle
- Applicable Materials: Automotive glass (tempered or laminated)

Key Features

- Chemically bonded coating film formed through siloxane reaction
- High water repellency and smooth water-sliding performance
- Designed for abrasion resistance under wiper operation
- Suppresses adhesion of oil film, water spots, and dirt
- Fluorine-free formulation

3. Performance & Characteristics

Water Repellency

After curing, the coating forms a highly hydrophobic surface that effectively repels water.

Water droplets flow off easily even at low driving speeds, contributing to improved visibility in rain.

Durability

The inorganic, chemically cured coating provides resistance to wiper abrasion, UV exposure, and temperature fluctuations.



Under normal conditions, water-repellent performance is maintained for approximately 12 months.

Anti-Stain Performance

Reduces adhesion of oil, dust, and water stains, helping maintain glass transparency and improving ease of cleaning.

4. Recommended Application Areas

- Windshield
- Side windows
- Rear window
- Glass sunroof

5. Application Method

1. Thoroughly clean and degrease the glass surface before application.
2. Apply evenly to the dry glass surface using a sponge or applicator.
3. Rub evenly in both vertical and horizontal directions until application traces become less visible.
4. Without waiting for drying, immediately wipe the surface with a clean, dry cloth to finish.
5. Avoid exposure to water or wiper operation for 24 hours after application.

(If oil film or old water-repellent coatings remain, be sure to perform pretreatment using a glass cleaner or degreaser before application.)

6. Precautions During Application

- Avoid application under direct sunlight or on hot glass surfaces.
- Do not apply in rainy or high-humidity environments.
- Avoid contact with water and friction for 24 hours after application.



7. Summary of Product Properties

- Product Type: Reactive siloxane-based glass water-repellent coating
- Form: Liquid (cured type)
- Usage per Vehicle: Approx. 10 ml
- Durability: Approx. 12 months
- Applicable Materials: Automotive glass
- Country of Origin: Japan

8. Remarks

- For automotive glass only.
- Do not use on plastic, mirrors, or painted surfaces.
- Durability may vary depending on usage conditions and environment.

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The information contained in this Technical Data Sheet is based on current technical knowledge at the time of publication.

Specifications and details are subject to change without prior notice.