



## LumiChem CeraTech Introduction

**LumiChem CeraTech Automotive Barrier** is a hydrophobic and oleophobic liquid-glass coating for automotive vehicles. Once cured, LumiChem CeraTech forms a high-crosslinked network of quartz particles that encapsulate surfaces and protects the vehicle from the environment. LumiChem CeraTech is high-gloss, slick, water-repellent, and UV-protective.

The smoothness and low surface energy of LumiChem CeraTech imparts an easy-to-clean, anti-fouling property. It is recommended for glass, metal, plastic, and paint, and can be applied to vehicles to reduce or eliminate maintenance costs.

LumiChem CeraTech provides a “wet-look”. It increases automotive paint’s scratch resistant and lasts up to 36 months. It repels water, oil, dirt, bug-splatter, bird droppings, and salt spray. LumiChem CeraTech further protects surfaces from oxidation and corrosion. A single application of LumiChem CeraTech will extend the lifespan of automotive paint, providing the driver peace of mind and saving money over time.

### UNIQUE FEATURES

- Highly hydrophobic
- High Gloss
- Up to 10H Hardness
- UV Protection
- Acid and Base Resistant
- Non-Stick surface
- Semi-Permanent
- Anti-fouling
- Thermal Resistance
- Anti-Oxidation
- Anti-Corrosion

### APPLICATION METHOD

1. Remove oxidation and other contaminants in accordance with typical practices.
2. Prepare surface by washing and then drying. Clean the vehicle in accordance with typical practices.
3. Surface must be free of residues or cleaning residues. Optionally, wipe surface down with isopropyl or an alcohol cleaner.
4. Apply 10-15 drops of the solution onto a microfiber cloth
5. Working in three-foot squares or panel-by-panel, wipe on using a crosshatch pattern
6. Let dry for 2-10 minutes
7. Buff clean with new microfiber cloth. An electric buffer may also be used.
8. Cure for a minimum of 10 hours in sunlight. Heat may be used to accelerate curing. The product fully cures in the ensuing 24-48 hours.

Usage: 100 ml = 1000 sq ft. (1ml/sq ft)



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## PRODUCT SPECIFICATIONS

<b>Appearance</b>	Clear to Yellow Liquid
<b>Odor</b>	Solvent
<b>Specific Gravity</b>	0.81-0.83
<b>Chemistry</b>	Modified SiO <sub>2</sub> in dry solvent
<b>Temperature Resistance</b>	>500°C
<b>Hardness</b>	7 - 10H depending on layers and curing
<b>Hydrophobicity</b>	Contact angle between 95° and 110°
<b>Gloss</b>	95-98 GU
<b>Flammability in Bottle</b>	Flammable. Take proper precautions.
<b>Flammability Applied on Surface</b>	Non-Flammable. High heat resistance.
<b>Shelf Life</b>	1 year from date of opening. Store in a cool, dry environment. Ensure seal is tight.
<b>Solvent Compatibility</b>	Dry solvents such as Butyl Acetate, Ethyl Acetate, Methyl Ethyl Ketone
<b>Package Options</b>	Small bottles (60-100ml), 1L bottles (800 grams), 5-gallon pails, 55-gallon drums