



LUMINARY CHEMICAL

LUMICHEM AUTOMOTIVE

User Manual



Nanotechnology-Based Surface Coating.
Specifically Formulated For Automotive Body.

English

INTRODUCTION

LumiChem Automotive is formulated as a two part system to ensure the longest-lasting and highest performance automotive coating.

By utilizing NanoCream as the first layer, the surface is smoothed out and coated at a nano-level with a proprietary ceramic coating. Applying the second NanoCoat seals this layer in, and adds additional protection and hydrophobicity for a long lasting shine that keeps your car looking pristine.

Typical Ceramic coatings are difficult to apply, and when not properly applied may damage automotive paint. With the LumiChem Automotive system, you run no risk of paint blemishes, sticking, under or over-application that become counter productive to your vehicle.

NanoCream (Part 1) is an easy to apply cream that reduces scratches and imparts a highly hydrophobic, durable, gloss cream on automotive exteriors. The coating leaves a haze, allowing the applicator to easily distinguish between the treated and untreated automotive exterior. The cream may be left on the vehicle indefinitely, allowing you to coat the entire vehicle in a single step, followed by buffing.

NanoCoat (Part 2) provides an additional layer of protection and increases hydrophobicity and gloss on automotive surfaces.



WARNING

Always make sure the applicator is using clean tools, and ensure that LumiChem Automotive is applied in a well-ventillated area, away from direct sunlight.

TOOLS

For optimal application of LumiChem Automotive, use the suggested items and tools below. If you require additional help or feedback, feel free to contact us for preferred brands of tools.



Soft Buffing Pad

Ensure your buffing pad is clean! Using a dirty buffer may cause permanent damage.



Clean Microfibre Cloths

A clean microfibre cloth is imperative for wiping off the excess coating.



Isopropyl Alcohol (70%)

An adequate amount of Isopropyl Alcohol (minimum 70%) is ideal for pre-treatment.



NanoCream

Gently shake NanoCream bottle before use to ensure product is well blended.



NanoCoat

Gently shake NanoCoat to ensure the product is well mixed prior to use.



Carwash Equipment

Use your preferred usual carwash equipment for the first cleaning of the surface.

APPLICATION INSTRUCTIONS



1. Wash The Vehicle

Utilizing preferred equipment, wash the entire vehicle with a degreasing soap, being sure to remove all existing dirt, debris, wax, and oil. We strongly recommend using a clay bar to buff off existing surface contaminants.



2. Clean With IPA

Apply Isopropyl Alcohol 70% (IPA) to the clean car surface. Use a spray bottle or cloth to wipe this on. Be sure to use a clean microfibre cloth to remove the excess IPA after application.



3. Apply NanoCream

Shake NanoCream well. Pour a small amount on a clean microfibre cloth. Spread NanoCream on the desired section, starting from left to right and top to bottom. Allow NanoCream to sit for 5 to 10 minutes on the surface.



4. Remove NanoCream

After waiting 5 to 10 minutes, wipe with a clean microfibre cloth, folded into four, without applying any pressure. Buff with a second clean microfibre cloth folded in four using a circular motion until surface is shiny and spotless.



5. Apply NanoCoat

After one hour, apply NanoCoat by spraying it onto the surface, allowing it to dwell for 30 seconds to 1 minute, and wipe it clean using a clean microfibre cloth, using circular motions.

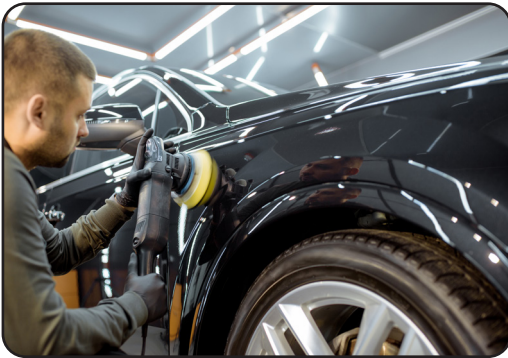
NOTES

IMPORTANT TIPS AND TRICKS



1. Apply Externally

LumiChem Automotive is specifically engineered and formulated for exterior auto surfaces only. It is safe for all rubbers and plastics, but is not recommended for interior use.



2. Buffing Is Key

Using a clay bar and clean buffing pad is recommended for optimal results. Hand washing works well, but clay bar buffing removes invisible contaminants and allows LumiChem Automotive to better bond with the surface for maximum performance.



3. Apply Again

It is appropriate to reapply NanoCream a second time after one hour of curing. This is not required, but has been shown to increase performance in certain scenarios. NanoCream is not “self-grabbing”, and therefore will not stick to itself; only areas missed in the initial application.



4. Allow Cure Time

We recommend allowing at least 8 to 24 hours for LumiChem Automotive to cure fully before exposing the coated vehicle to the rain or colder temperatures. Wait a minimum of 7 days between the initial application of LumiChem Automotive and the first regular car wash.

PRODUCT DESCRIPTION

LumiChem Automotive is a coating system specifically formulated with ceramic and quartz nanoparticles. It can be applied to all exterior parts of cars, motorcycles, trucks, heavy machinery, boats, marine equipment, and other vehicles.

Features

- **Strong.**
“Ceramic 9H” is a common buzzword in the automotive cleaning industry. LumiChem Automotive is engineered using a proprietary formulation of ceramic and quartz nanoparticles to achieve the “industry standard” of 9H Hardness.
- **Permanent.**
Through extensive research and development, LumiChem Automotive has been formulated to be considered a permanent coating. If applied properly or by a professional, the nanocoating will last the lifespan of the vehicle, and require less maintenance and cleaning over time.
- **Self Cleaning.**
LumiChem Automotive provides a contact angle greater than 120°, which means water, dirt, oils, and other contaminants roll off with ease. Superhydrophobicity ensures that regular contaminants are not able to stick onto the surface, keeping it cleaner for longer.

Attribute	Description
Scratch Resistance	LumiChem Automotive is tested up to 9H Hardness.
Chemical Resistance	LumiChem Automotive is resistant within pH of 2 to 11.
Contact Angle	Superhydrophobic / self cleaning with a contact angle of over 120°.
Surface Properties	Extreme shine (mirror effect), smooth and slick surface.
Lifespan	LumiChem Automotive is permanent, if applied according to specifications herein, or applied by a professional auto detailer.



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