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DuraSlic® Ease Ceramic Coating

INTRODUCTION

DuraSlic Ease is a revolutionary ceramic coating, engineered with the detailing professional in mind. Ease is the first ceramic coating that can be applied to the **entire vehicle** before leveling off the excess. An entire car or truck can be coated in one pass.

DuraSlic Ease eliminates the hassle of applying ceramic coating to small areas or single panels and then waiting for a rainbow effect before proceeding. Blending one section with another is no longer necessary. Significant time is saved in the application process, simplifying the entire installation. Once applied and cured, DuraSlic Ease ceramic coating provides outstanding performance properties.

ATTRIBUTES

- Outstanding Hydrophobics & Oleophobic Properties
- Excellent Water Beading and Slickness
- Up to 4 Year Protection with Proper Paint Preparation and Maintenance
- "Easy-to-Clean" and Repels Most Materials Including Salt, Mag Chloride, Bird Droppings, Tar, Dirt
- Molecular Bond to Painted or Metallic Surfaces.
- High Film Hardness
- Can be applied to entire vehicle before leveling (windshield/glass separately)
- Clear, Glossy finish

TECHNOLOGY

Ease is truly a breakthrough in ceramic coating technology. It is the first hand-applied ceramic coating that can be applied to an entire vehicle (regardless of size) prior to leveling. The solvents dry quickly leaving behind a residue. The residue can be removed any time after 60-90 minutes, resulting in a high gloss finish. Once the residue is removed, the coating begins to cross link forming a chemical bond to the substrate. A slick wear layer forms on the contact surface. Ease has a robust, abrasion resistant surface that stands up to repeated washing as shown in the attached data.

PRE-CLEAN

The paint or metal surface should be completely free of foreign materials including dirt, oils, grease, iron and ferrous metal particles, tar, tree sap, bug splatter, bird droppings, overspray, industrial fallout, embedded contaminants & overspray to allow superior adhesion from coating. A thorough wash, mechanical decontamination process with clay option & chemical decontamination process with iron remover is recommended to remove any contaminants and smooth out all painted surfaces allowing Ease to adhere properly and create a complete continuous coat. After the required paint correction process, clean thoroughly with **DuraSlic Glass Prep & Panel Wipe** to remove any remaining compounds, polishing oils and residue, silicones, dust, fingerprints and other surface residues to ensure optimal bonding.

APPLICATION

Application performance is highly based on temperature and humidity with ideal conditions being 70-80F (21-27C) and 40-60% relative humidity. Do not apply in direct sunlight & be cautious of high wind conditions which may cause solvents to evaporate unevenly. Indoor controlled environments are strongly recommended for best performance. It is normal for Ease to separate over time, so always shake the bottle lightly prior to application.

Proper PPE like rubber gloves is always recommended. Shake well before using. Remove cap and apply ample amount of coating to DuraSlic applicator and replace cap on coating bottle to avoid solvent evaporation. With even pressure using crosshatch pattern (if preferred), apply generous amount of coating to the entire vehicle (apply to glass separately as this will have a different cure time, check at 20 minutes). **Please Note** – The coating will haze/flash quickly and may have a dry appearance immediately, but a minimum of 60 minutes of open time is imperative in the bonding process prior to removal.

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At 60 minutes, use a soft, clean microfiber towel to test removal in a small section. If the coating removes very easily, then proceed to remove excess material from the remainder of the vehicle. If the coating is streaky, wet or does not wipe off easily, then set your timer for another 15 minutes and test again.

A 2-towel microfiber method is recommended to level the coating and remove any excess residue. Do not allow excess coating to dry on surface.

For best results, do not expose coated surface to moisture or rain for 24 hours and 7-10 days before any washing or chemical exposure.

CURING

Ease will dry to tack free very quickly after application. The coating begins to cure as soon as the residue is removed. The coating will reach 7H hardness after 18 hours and will fully cure to 10H hardness in 3 days at room temperature. Rain-ready in 24 hours.

TEST RESULTS

Physical Properties	Values
Appearance	Clear High Gloss
Specific Gravity @ 23°C	1.02 g/cm ³
Viscosity @ 23°C	3-5 cP
Nonvolatile content	6%
Static contact angle, water	102 Degrees
Dry Time	Dries almost immediately
Film Thickness	150-200 nm
Pencil Hardness (Mitsubishi)	10H*
Sliding Angle** (degrees)	26

* Bulk polymer properties.



DuraSlic Ease Performance

CA Water

