

CARPRO™

AUTHORISED INSTALLER



A GUIDE TO
CERAMIC COATING
PAINT PROTECTION FILMS



www.washlah.sg

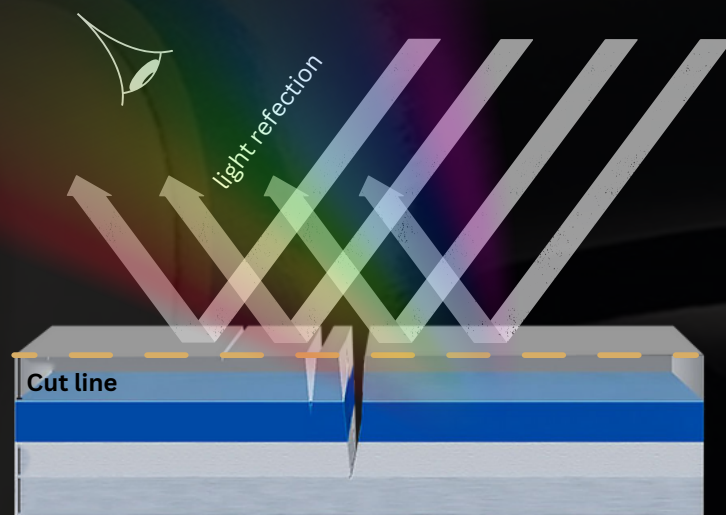
common paint defects & paint correction



swirls, scratches and etching

Paint defects are imperfections on your car paint brought about by natural elements and daily use. It is unavoidable and dulls your paintwork overtime.

Paint correction describes an abrasive process of levelling the clear coat, also a type of transparent paint, to achieve a more planar finish. This is typically done using a combination of polishing, cutting or wet sanding techniques. Paint correction typically achieves 70% - 90% removal of scratches and swirls, thus increasing shine and gloss drastically.

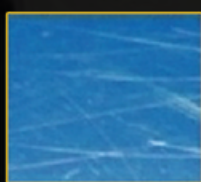


Surface imperfections (bottom)

Corrected paint (above)



Swirl Marks/
Spider Webbing



Light
Scratches



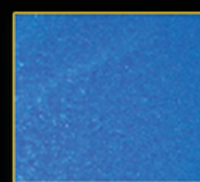
Deep
Scratches



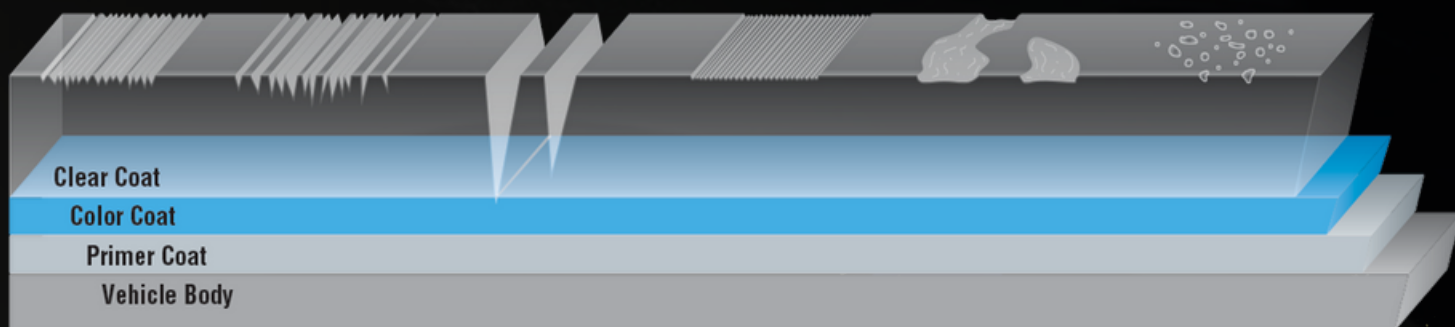
Buffer
Marks



Acid Rain
Etching



Contamination
(Not Smooth)



CARPRO™ ceramic coating

the new-age wax

A bottle of CarPro
CQuartz Finest Reserve
ceramic coating

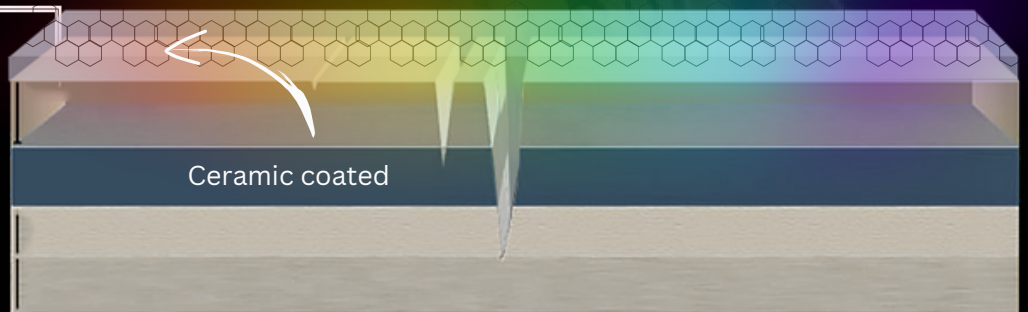
CARPRO



Your car will look significantly brighter, shinier and more vibrant after polishing. To seal the shine in, wax and sealants were widely used. These traditional finishes however effective, were not durable and fades after a short period. In comparison, ceramic coating, or silicone dioxide compound were first utilised in military aircrafts to protect metal against wear and corrosion. When properly applied and cured onto automotive panels, this layer of hydrophobic protectant protects surfaces up to 3 years.

Ceramic coating protects your paintwork against these elements

- rainwater
- hardwater
- dust
- oils & slicks
- snow
- road grime
- bird droppings
- light scratches
- ultraviolet



Layer of ceramic coating atop a corrected paint surface
(3 micron thickness)

Coating application process



It does not protect against hard scratches, rock chips and light impacts from road projectiles

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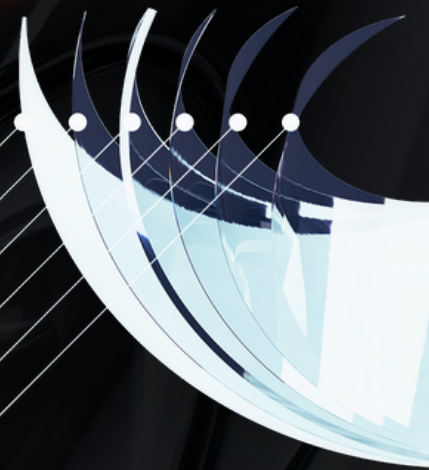
immortal™ paint protection films



PPF is a high performance, self-adhesive, clear-coated aliphatic polyurethane film, more than 300 times the thickness of a ceramic coating. Immortal is a very low surface energy film designed to resist staining and offer superior environmental resistance and gloss retention. It will not damage paint or leave behind residue upon removal.

construction

- polyester release liner
75 microns
- arcylic adhesive
20 microns
- anti-scratch urethane
170 microns
- self-heal clear coat
20 microns
- self-clean coat
4 microns
- pet protective liner
50 microns



features

- Resists rock chips, swirls, scratches, bugs, bird droppings
- Self-healing even in cold temperatures
- High-gloss finish
- Non-yellowing
- Very hydrophobic/ stain resistant/ self-cleaning
- Extremely low orange peel effect
- UV-resistant
- Pre-cut software



recommended
coverage



Full front
PPF protection



CarPro CQuartz skin coating protects your PPF and wraps and extends film life significantly



TIPS & GUIDE

CQUARTZ MAINTENANCE GUIDE

FURTHER READING

**PAINT PROTECTION FILMS VS
CERAMIC COATING**
EXPERTS ADVICE

LOCATE US

PRO AUTO DETAILING

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