



TCW GRAPHONIX VISION TDS & APPLICATION GUIDE

See the world more clearly with Graphonix Vision, our graphene ceramic hybrid technology coating for glass that ensures up to three years of crystal-clear visibility.

Vision repels water and contaminants, working to improve visibility whilst driving in adverse weather conditions and maintaining the pristine look of your windows and windshield.

Vision helps to keep rain, sleet and more at bay with its hydrophobic finish that when properly maintained lasts for years to come (*Excluding Windscreen).

The graphene integration provides exceptional properties for a smoother, clearer view.

Technical:

Appearance – Black Translucent

Binder – Organic Silazane

Carrier – Low VOC

Thickness – ~1um nominal

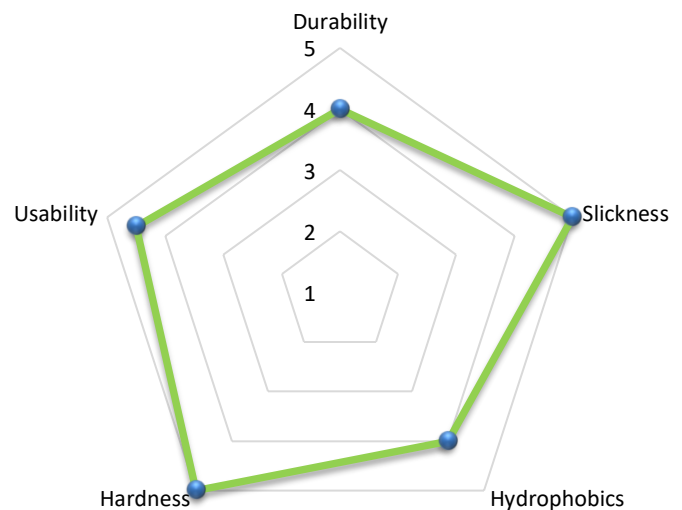
Contact Angle – 95°

Hardness – 9H (surface dependent)

Multiple Coats – Can be layered

Useable – 4 Hours

Full Cure – 7 days after application



Application & Maintenance – See Next Page

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Application Instructions

General

- Products should be used in a well-ventilated area.
- Always refer to the Safety Data Sheet (SDS) and product label prior to use (SDS available on request).
- Wear appropriate PPE according to the information provided in the SDS, on the label and if you are still unsure please contact us via phone or email.
- Always store products in a cool, well-ventilated area keeping containers tightly closed.

Important Points To Remember

Surface Preparation

For effective adhesion and therefore longevity, preparing the surface for the product is essential and using the graphene ceramic coating alone without proper preparation may lead to a short-lived final finish.

The product cross-links to the surfaces that it's applied to. Surface cleaning & degreasing is an essential part of the process to ensure that there is no contamination between the product and the surface to be protected.

It is also important the surface has been prepared to the highest standard prior to applying the coating as once applied, it will seal in the surface underneath so if marring, scratches etc are present it is highly recommended the glass is polished prior to the applying the coating to bring the surface to the desired finish first.

Application Environment

Applied Outside – Yes

Temperature Range – 5°C – 35°C

Do not apply in direct sunlight

Do not apply in strong winds

Do not apply when raining

Curing prior to release to client – 4 hours

Full Curing – Up to 7 days

Application Method

Ensure the surface is clean, dry & degreased.

Dampen the application pad so that it is wet on approximately one third of the pad. The pad should be wet but not dripping.

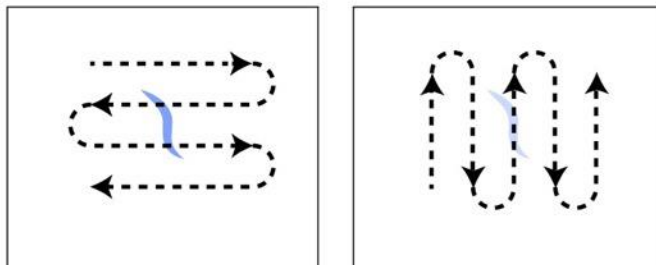
Apply using the cross-hatch method (see diagram) going first side to side across the surface and then top to bottom to ensure an even spread of the GRAPHONIX VISION over the area to be coated.

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Allow the coating to sit for approximately 1-3 minutes and then take a clean, dry, microfibre cloth and gently buff off any excess product from the surface. For best results apply a second coating approximately 30 minutes later followed by a top coating of the TCW Ceramic Spray another 30 minutes after the 2nd coating has been applied.

Product Maintenance

Once the coating has been applied, do not wash for the first 7 days.

Only use TCW pH Neutral cleaners or the TCW Glass Cleaner on the coated surface. Always use a wash mitt and drying towel for cleaning and drying when carrying out a contact wash. It is recommended TCW Ceramic Spray is applied every 6 months to achieve the best durability from the coating.

If the coating is well maintained you will see up to 36 months of protection on side windows and 9 months on windscreens before re-application is required.