



TCW GRAPHONIX RIM TDS & APPLICATION GUIDE

Graphonix Rim is your wheel's best defense against the harsh conditions of the road. Specially formulated to ensure the high temperatures and aggressive wear that wheels face, Rim provides up to three years of ironclad protection, keeping your wheels looking impeccable and easy to clean.

Your rims will resist brake dust accumulation and corrosion whilst delivering a persistent shine that makes your wheels stand out.

Rim leverages the strength of graphene for a coating that's as tough as it is beautiful.

At the heart of the coating is our cutting-edge hybrid graphene ceramic technology, known for its exceptional strength and flexibility, offering superior protection against scratches, UV rays and environmental pollutants.

Technical:

Appearance – Black Translucent

Binder – Organic Silazane

Carrier – Low VOC

Thickness – ~1um – 2um nominal

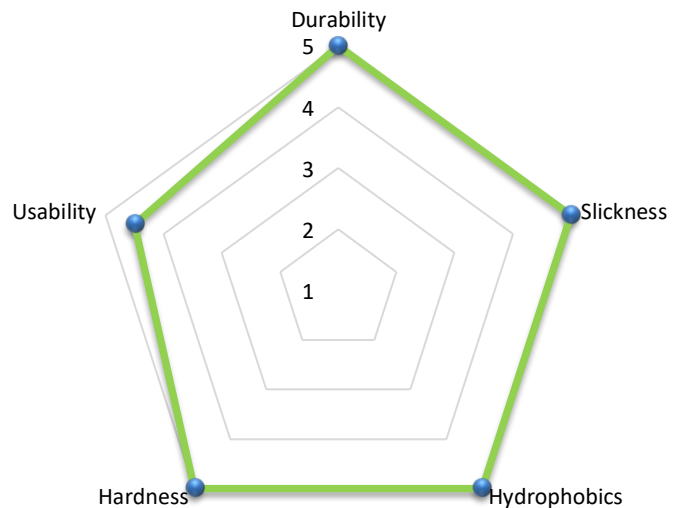
Contact Angle – 97°

Hardness – 9H (surface dependent)

Multiple Coats – Can be layered

Useable – 4 Hours

Full Cure – 7 days after application



Application & Maintenance – See Next Page



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 wheels are polished prior to 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

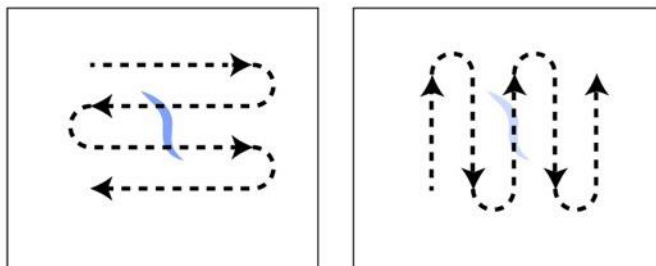
Application Method

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 RIM over the area to be coated. When applying to alloy wheels it is not always possible to utilise

the cross-hatch method so we recommend taking your time during the application to ensure all areas are coated. Use the tyre valve as your start point and finish point for the coating going around full circle of the wheel to ensure you haven't missed any sections of the wheel during coating.



Product Maintenance

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

Only use TCW recommended products on the wheel including Wheel Cleaner, Fallout Remover, Wheel Shampoo & pH Neutral Snow Foam on the coated surface. Always use a wash mitt and drying towel when carrying out a contact wash. The 2-bucket wash method should be used where possible to reduce the risk of marring and scratches during the washing process. If using wheel brushes ensure the wheels are thoroughly rinsed of contaminants and only gentle agitation is used. Use with plenty of lubrication under the brush from the wheel cleaning products.

If the coating is well maintained you will see up to 36+ months of protection before re-application is required.