



TCW HEADLIGHT TDS & APPLICATION GUIDE

TCW Headlight is the number 1 choice for protecting headlights following headlight restoration. With a thick no buff application offering unrivalled UV protection coupled with exceptional durability, hydrophobic and oleophobic properties plus extreme clarity, it's the coating of choice for headlight protection!

MAIN FEATURES

- Very Hydrophobic
- UV protection
- Easy Clean
- Simple No Buff Application
- Crystal Clear Clarity

Technical:

Appearance – Clear

Binder – Organic Silazane

Carrier – Low VOC

Thickness – ~1-2um nominal

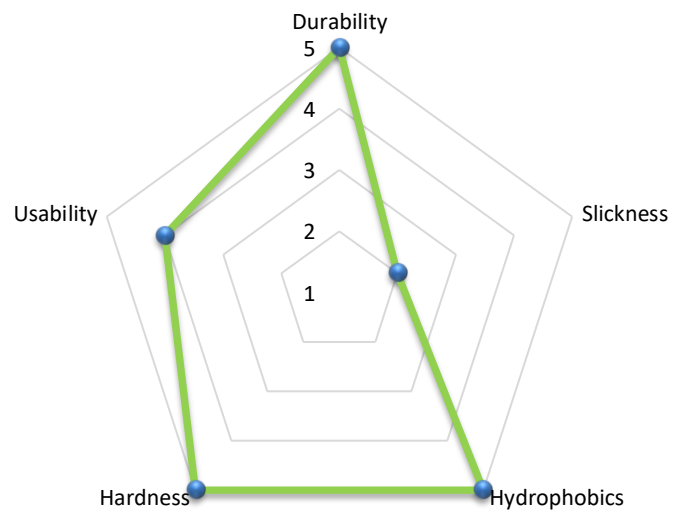
Contact Angle – 95°

Hardness – 9H (glass headlights)

Multiple Coats – Not required

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 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 paint correction is carried out prior to the applying the coating to bring the surface to the desired finish first.

Rain & Wind

As with most coating products, it should be applied in a clean, dry environment with no rain forecast for a minimum 4-hour period if application is outside. If strong winds are present we recommend coating does not take place due to the coating flashing off too quickly.

Temperature

Avoid applying in direct sunlight and where possible ensure application does not take place during the hotter parts of the day. We recommend early morning and late afternoon for best results. The coatings should be applied in an ambient temperature above 5°C and no higher than 35°C. The coating can be applied outdoors as with all our coating products. This temperature range also applies to the surface temperature of the substrate and temperature must stay within these parameters for a minimum of 12 hours following application.

Curing

Following application the coating will need to be allowed to cure. The coating must not go out into rain for the first 6-8 hours following the completion of application. Ideally the coating will be allowed 12 hours of curing before going into the elements. As the coating continues to cure for up to 7 days the vehicle should not be washed for the first 7 days following the coating being applied.



Preparation, Clean & Decontamination

To Remove Any Contamination

Firstly, thoroughly wash / clean the vehicles paint surface ensuring all contaminants have been removed. Using a de-greaser, thoroughly de-contaminate the surface, removing any remaining residues from waxes, silicones and any other contamination ensuring a strong bond between coating and paint. For heavily contaminated surfaces or used surfaces a full polish/detail may be required to get the paint finish to an acceptable standard prior to coating.

Applying A Degreaser

1. Start by wiping the entire surface to decontaminate and remove any waxes / silicones.
2. Use a dry wipe / soft cloth to remove the excess fluid, creating a clean, contaminant free, dry surface.
3. If a cloth becomes dirty / black replace with a fresh cloth.
4. With this process you are looking to thoroughly clean and de-contaminate the surfaces to be treated to ensure a complete bonding of The Ceramic Warehouse product.
5. It is important that the finish of the surface at this point is to the clients' satisfaction. If not, then full polishing/detailing of the surface will need to be carried out and then processes 1-4 above will need to be repeated.

For full application instructions please follow this link to the video guide:

<https://youtube.com/shorts/c1cpfQcQHSo?feature=share>

Product Maintenance

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

Only use pH Neutral cleaners on the coated surface for regular weekly / 2 weekly washing. We recommend our pH Neutral Snow Foam & pH Neutral Shampoo. Always use a wash mitt and drying towel for contact washes. The 2-bucket wash method should be used where possible to reduce the risk of marring and scratches during the washing process.

Once every 3 months we recommend a deep clean wash utilising the following TCW products:

- High Alkaline Snow Foam
- Citrus Wash
- pH Neutral Snow Foam
- pH Neutral Shampoo
- Ceramic Detailer or Foam & Rinse

By following the above guidelines it will ensure the coating remains well looked after ensuring durability out of the protective coating. Proper maintenance will see results of up to 5 years from the coating before re-application is required.