

Why do professionals from the windscreen repairment sector opt for TECNADIS GWR?

Comparative of TECNADIS GWR with other rain repellent products in the market

Its outstanding properties have made that TECNADIS GWR overcomes its well established competitors in the market, for instance Rain-X, regarding performance, durability, application easiness and abrasion resistance. Comparing with high performance products such as Aquapel, TECNADIS GWR shows completely similar durability but at a much **lower price** having a retail price of **4-5 times lower** than AQUAPEL type products.

Additionally, it must be mentioned that the **initial contact angle** is very similar for both products and it is around 109°, so is totally **imperceptible** for the end user who would be not able to discern between both products. In order to demonstrate that both products are fully comparable regarding not only initial performance but also durability, please find attached a document which shows the initial contact angle of both products in a real application as well as their appearance after different abrasion cycles. In this sense, accelerated abrasion tests have been carried out ([Tecnadis GWR Vs. AQUAPEL - Tests](#)) with both water for simulating rain and wipers for abrasion, the results obtained shows that both, GWR and AQUAPEL, behave in a completely identical manner regarding durability, starting both slight loss of performance only after 64 cycles of 45 minutes although both products still remain fully functional. After that time, the effect is maintained but it is slightly decreased compared to the initial performance, therefore a reapplication could be recommended for having again the initial full hydrophobic effect. Thus, for real application, it could be assumed that the durability of both products is approximately 12 months. Then, regarding effect and durability, both products are completely similar and they are by far the **most durable** in the market.

On the other hand, it is worth to highlight that most high-end anti rain products in the market release Hydrochloric Acid when applied. Hydrochloric Acid is a powerful corrosive to metals and therefore not appropriated for its use in a workshop atmosphere, as well as irritant to lungs and eyes. Apart from its corrosive effect, hydrochloric acid can be harmful for people dedicated to make continuous windscreen treatments with these products. Using TECNADIS GWR, this hazard is completely avoided since the **hydrochloric acid is not released** allowing the application of the product indoors without any risk. Please find in the following link ([Tecnadis GWR Vs. Ampoule products](#)) a video showing the acidity of the vapour compounds of high-performance water repellent systems based on the breakage of an ampoule of the type AQUAPEL, AQUACONTROL and OMBRELLO in comparison with the no emission of acid vapours from our TECNADIS GWR. Tests have been carried out using AQUACONTROL.

Furthermore, since these ampoules are one use systems which end up in the waste stream and might carry on releasing vapours, there is a clear possibility that they will have to be rated as dangerous waste. It is also worth to mention that after application, AQUACONTROL clearly releases irritant vapours, easily perceived by the worker applying the product. This does not happen at all with TECNADIS GWR.

Another advantage that TECNADIS GWR has against its high-end competitors (Aquapel, Ombrello, Aquacontrol, etc.) is that because of the high stability of the product, TECNADIS GWR can be transported and packaged in different formats; while its competitors do not have such stability in their formulation, being therefore required to be packaged in one use systems which substantially increases the cost per application.

Due to these advantages, the most competitive and well-known Spanish, and other European companies dedicated to windscreen repairing (i.e.: CARGLASS, CRISTALBOX, GLASSDRIVE, GLASS TALLERES, RALARSA, MYGLASS, EXPRESS GLASS, ALLGLASS WINDSCREENS, etc., among others) are already using TECNADIS GWR, having replaced the products normally used by this new one. Also, other vehicles workshop networks such as MIDAS, EUROMASTER, PSA-GM GROUP (EURO REPAR CAR SERVICES), VULCO, and NORAUTO are using our product. Additionally, international product distributors are testing our product with excellent feedback from their side.