

# CAR PAINT & WINDSHIELD TITANIUM PROTECTOR - AQUARTZ TITANIUM

*The world's finest automotive Nano Metallic Titanium Coating!*

## AQuartz is the next generation of protective coating for automotive surfaces !

After a car leaves the assembly plant, the original car paint is subjected to harsh conditions immediately.

To preserve the original car paint from harsh conditions, many consumers are looking for the best sealant products, but because there are many sealant products available on the market, some with misleading or exaggerated claims.

It may be difficult for them to choose the most appropriate product. Most sealants are either oil, paraffin or wax based products, they are not real sealants, they are only kinds of waxes like cosmetic products.

As these substances are evaporable and scissile, this layer can be removed and it will come off with a wet-towel easily, they will not last for a long time, and cannot protect the original car paint finish against external environmental damage. Also the chemical reactions from these products may be risk-factors for discoloration and act as corrosive substance to the painted finish, and these cause the water marks, and because of their weak hardness & adhesiveness, protecting effects and the gloss never keep long, and almost the whole products have a disgusting smell, are not good for your health, are not eco-friendly. Upon closer experience analysis of users, it was shown that there were many problems with these products.

To deal with these all subjects, AQuartz was launched in Korea.

## AQuartz Coatings are the surest way of precautions against such damage to paint !

It offers an extremely durable crystal coat which protects against acid rain, bird droppings, road film, tar and harmful UV rays.

As AQuartz have the highest level hardness(9 to 12h) and the adhesive strength of the paint, it will minimize the appearance of light scratches.

It will also protect the paint longer. Besides protecting, it also offers a deep floating rich gloss, near glass like finish, with a self cleaning effect, making future washing of your vehicle faster and easier.!

## It's definitely different from the conventional Japanese glass coatings !

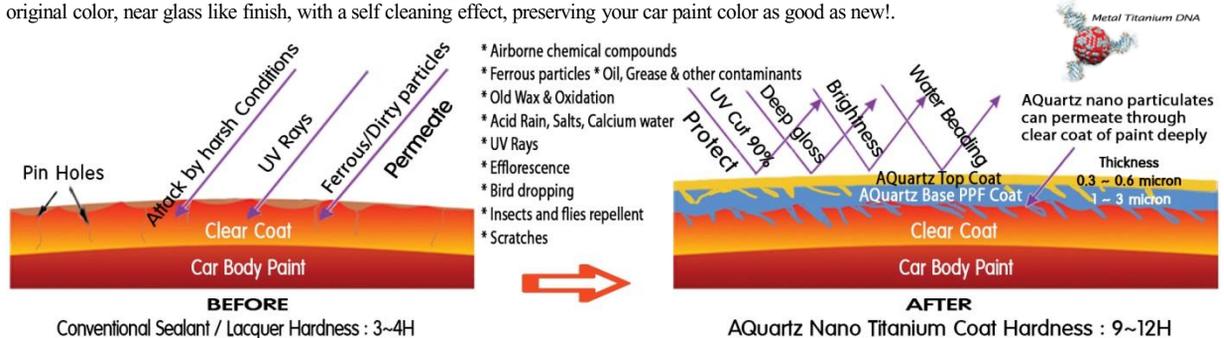
The auto dealers after having used numerous Japanese glass coating and wax products understand this obvious difference.

AQuartz products have developed new formula Titanium Coatings for the simplest application with a good or non smell, they are not harmful to health, eco-friendly different from Glass Coatings.

AQuartz Coating Systems can make the perfect layers that can make up for faults of existing Japanese Glass Sealants.

## Why do you need AQuartz Titanium Top Coating?

AQuartz Titanium has a very high slippery property. It is fully hardening type coating that forms a transparent film, which is high smooth gloss and good hardness. It can make the color on the painted car surface more bright. It makes also non-stick layers which keep water(rain), dirt, Insects, flies, all sorts of pollutions and environmental contaminations away from the surface coated, so it makes clean surface for long time without often car wash, and make it easier to clean the surface. Besides protecting, it also offers a deep rich, silky and floating gloss and shine from the inside improving the original color, near glass like finish, with a self cleaning effect, preserving your car paint color as good as new!.



Conventional Sealant / Lacquer Hardness : 3~4H

AQuartz Nano Titanium Coat Hardness : 9~12H

## AQuartz Titanium Testing Feedback Compared

We tested those 3 products with the witness of 5 professional detailers and here's their feedback.

TESTS	S Brand	AQUARTZ TITANIUM	C Brand
TEST 1 ( Smoothness )	NOT SMOOTH "SQUEAKY" FEEL RATING : 2/5	SMOOTH TOUCH "SILKY" FEEL There is a layer of coating that is floating above the bonnet RATING : 5/5	SMOOTH TOUCH "SILKY" FEEL RATING : 5/5
TEST 2 ( Smoothness ) After Shampoo wash	NOT SMOOTH NO SILKY FEEL "SQUEAKY" FEEL RATING : 1/5	SMOOTH TOUCH RETAIN SILKY FEEL RATING : 4/5	NOT AS SMOOTH A BIT SQUEAKY FEEL RATING : 2/5
TEST 3 ( Water Repel ) With continuous water spraying to bonnet	WATER BEADING EFFECT RATING : 4/5	LESS WATER BEADING EFFECT RATING : 3/5	GOOD WATER BEADING EFFECT RATING : 5/5
TEST 4 ( Water Repel ) Stop water spray bonnet	80% WATER BEADS LEFT ON BONNET RATING : 2/5	SELF DRYING EFFECT WATER CLEARS ITSELF LESS WIPING REQUIRED RATING : 5/5	60%~70% WATER BEADS LEFT ON BONNET RATING : 3/5
TEST 5 ( Scratches ) Done before washing of bonnet straight after test 1	VISIBLE SCRATCHERS RATING : 2/5	LIGHT VISIBLE SCRATCHERS RATING : 3/5	LIGHT VISIBLE SCRATCHERS RATING : 3/5
<b>TOTAL RATING</b>	<b>11</b>	<b>20</b>	<b>18</b>

### CONCLUSIONS:

Based on our tests and the rating given by 5 customers voluntarily.(With the rating points of the least -1 to the most - 5):

AQuartz coating scored a 20 out of 25, leading the other two brands with scored 11 and 18.

AQuartz has excellent water repellent properties (the self drying effect).

AQuartz clearly outshines the other two products in terms of preventing water spots.

AQuartz also retains the silky feel to touch, even after shampoo wash, increasing the confidence of customers.

## CAR PAINT & WINDSHIELD TITANIUM PROTECTOR - AQUARTZ TITANIUM V1

### *The world's finest automotive Nano Metallic Titanium Coating!*

#### **Preparation Check List**

- + Before applying Aquartz Coating, please do the polishing, degreasing, finishing to remove scratches, dusts, old wax on the car body surface to achieve mirror finish.
  - + Wash vehicle with car shampoo, rinse and dry, and remove tar spots with Aquartz Super Cut from paintwork.
  - + If the paintwork feels uneven you may need to use Aquartz Iron Cut and clay to remove surface contaminants.
- + If required, compound and polish each panel to remove light scratches and swirls with a silicone free polish only or Aquartz+ Xcelerator
  - + Use 1:10 Super Cut with water to remove any signs of oil, silicone or wax from the surface of the painted finish of the car.
  - + Use a soft microfiber swirl free cloth to buff the painted surface to remove dust and smudges.
  - + For best results, take your time preparing the paintwork like a new car paint before applying.

Never apply in direct sunlight or when the surface of the car is hot. Surface must be at completely cool temperature (2~30°C).

**Important!** Check how temperature of the surface. The best results depend on the working temperature, choose one for the safest method as below.

In 2~15°C, you can spray it on the surface, In 15~25°C, spray it on the surface or a dry towel,

In 15~30°C, spray it a damp MF towel, but if you are a professional detailer with experience, you can spray it on the surface.

Only very experienced applicators of Titanium can spray it on the surface directly, and use a rotary machine with a damp pad.

As Aquartz Titanium has a very short curing time, you must apply small quantity and work on small area at a time.

#### **- Aquartz Titanium Top Coating User Guide -**

1. Before Aquartz Titanium can be applied, clean up the surface with Iron Cut, Super Cur or Clean Shot.  
Make sure you wash and rinse off all the residue of cleaners thoroughly, and make a clean finish with Aquartz PreLoad before coating.
2. Sake, spray small amount (2~3 ml) of Titanium on the damp microfiber towel or the dry microfiber towel you chose following the surface temp.
3. Apply and wipe Aquartz Titanium on the surface with the microfiber towel be sprayed immediately. Work on a 50cm x 50cm area at a time.  
Make sure the Aquartz covers the surface evenly. The more briskly you rub the surface continuously, the better!  
If you find it very hard to rub, check how even is the coating and also check the temperature of the surface.
4. Wipe all patches or streaks, water marks off from the surface with the towel be sprayed it turning both sides alternately.  
Non stop buffing/polishing is required until all patches or streaks, water marks are removed.  
**The frictional heat and static electricity by force of more buffing can make the strong bonding, high hardness, high gloss is achieved and the Nano Titanium particles to infiltrate into the pores of the paint.**
5. Repeat with additional layers 2, 3 and 4 gradually expanding the work area.
6. Buff with a new microfiber towel to achieve high surface gloss and smooth surface. Check the worked surface very carefully.  
If you find any water marks or incorrect application of Aquartz Titanium, wipe it off with a damp towel.  
If it is hard to do with it, use a Aquartz+ Xcelerator, and polish and try to coat Aquartz on the surface again.

#### **- Finishing Touch -**

7. Once finished, Let dry it up, it takes 20min to cure at 25°C.
  - At below 15°C or a cloudy weather, you should use a heat gun, IR heater lights to get short curing.
  - Completely cure with NO rain takes 24h at 25°C. - Do not drive the car during this time.
  - The higher temperature and lower humidity make a shorter curing time. You must dry the surface applied up enough!
8. For accelerating the curing, you can use a heat gun 300~500°C all over the coated area for 5 to 10 minutes.  
For the second coating, the first layer must be cured. After using a heat gun, cool down the surface, and then try to coat the second layer coating.  
We are strongly recommend to coat Aquartz Titanium with 2~3 layers, this will give more thickness, durability and hardness.
9. For the complete protection and the best results, after you coat Aquartz Base PPF, you should coat Aquartz Top Coating on the layer of the PPF.  
\*\* Besides coating on the car paint, you can use Aquartz Top Coatings for Rain Beading up and clear wide vision on it, and wheels, ceramic, etc.

#### **- Windshield Coating -**

Aquartz Titanium can be applied also to the front windshield, giving rain & dirt repellent, self-cleaning, smoothing / sliding effect.

Follow the same process as the application on car paint surface 2~8 application.

1. Clean the windshield thoroughly by using Super Cut or IPA to remove all contaminants from the glass.
2. When you coat Titanium on the windshield, coat on windscreen wiper blades as, it will make the wipers operate smoothly giving you a clear view.

#### **- Rotary Machine Application Guide for Aquartz Titanium -**

1. Spray small amount (8~10 ml) of Aquartz on the Aquartz Microfiber Buffing Bonnet and immediately start to polish with a rotary machine at 600~1000RPM speed.
2. For next Steps, refer to above Hand-Coating mentioned or PPF Rotary Machine application.

#### **Important:**

- ★ Take care with the application. Test the product on inconspicuous place before applying.
- ★ When applying, do not use in direct sun, heat or rain. The car paint must be absolutely dirt-free and dry.
- ★ The product must not be applied on surfaces contaminated with silicone, oil, polymer Teflon and wax.
- ★ We're strongly recommend to coat Aquartz 2~3 layers, this will give more thickness, durability and hardness.
- ★ Need to wait for 1hour between layers, without a heat gun, , leave to cure for more than 3hs under sunshine at 25°C.
- ★ **To apply the second (another) Top coating, the first layer must be cured.**
- ★ After coating, you need to take plenty of time to dry the layer off completely for the sun and the hot air or with a heat gun or a hair drier, etc..
- ★ If you do not know how long take Aquartz curing / drying time, it is the same time as it takes dry down the laundry.

#### **Disposal:**

- ★ Regard your rules and regulations.
- ★ We do not undertake responsibility or guarantee for a treatment which was not applied as per our recommendations.
- ★ The user of these products is supposed to test the treatment in an area not prominent, prior to applying the products.
- ★ Since the treatment process is outside our influence, any liability of the manufactures cannot be derived.

#### **Storage:**

- ★ Aquartz Titanium can be stored 24 months it is closed and protected from frost, heat and direct sunlight.

