

RimShield Table of Contents

Below is the complete table of contents for the manual

Product Description 2

Product Features 2

Suitable Application Surface 2

Packing Contents 2

Working Instructions 3

Working Environment Requires..... 3

Equipment Required..... 3

Application Steps..... 4

Pre-Application 4

Application Steps 4

Consumption 4

Initial Heating is Done to Strengthen the Bonding of the Coated Film 4

Full Curing Condition Needed 5

Maintenance after Application..... 5

Storage Method..... 5

Warnings..... 6

Maintenance Process..... 6

Frequently Asked Questions..... 6

Product Description

KubeBond RimShield is an advanced coating system that gives cars a 9H hardness protection, hydrophobic and anti-graffiti effects. The car stays cleaner for longer and becomes easy to clean too!

RimShield is developed for rims, exhaust system and brake calipers. It is applied by spraying to achieve a nano-ceramic coating to form an excellent resistance layer against brake dust, damaging substances and heat.

Product Features

- ✓ Provides permanent transparent protection.
- ✓ Can reach a maximum 9H Pencil Hardness.
- ✓ Prevents brake dust damage on wheel rim and caliper.
- ✓ Able to withstand a working temperature of up to 1200°C.
- ✓ Provides anti-graffiti and anti-scratch protection.
- ✓ Provides resistance to chemical damage.
- ✓ Provides durable protection against severe weather condition.
- ✓ Prevents aging and yellowing caused by UV radiation.
- ✓ Gives an excellent hydrophobic effect. (Water contact angle can reach 110°C and above.)
- ✓ Makes surface easy to clean.

Suitable Application Surface

- ✓ wheel rim, caliper, and exhaust systems

Packing Contents

- ✓ KubeBond RimShield: 50ml
- ✓ Application Sponge: 1pc (used as packing material only, not for application purposes.)
- ✓ White Micro-Suede Cloth: 2pcs (used as packing material only, not for application purposes.)
- ✓ Sticker – KubeBond: 1pc
- ✓ Sticker – CHOOSE NanoTech Certification: 1pc

Working Instructions

Before Application:

1. For best results, we recommend RimShield to be applied by spraying and not the Application Sponge or Micro-Suede Cloth. These were added as packing materials only.
2. Please work indoors at 25°C so that there is less chance of dust covering the surface during application. If you need a perfect surface finish where there is no dust covering the surface, please apply in a clean room environment.
3. Please work in an environment with enough light sources.

The coating will form a layer on the surface. If the products are not applied evenly and not fixed at the right time, there will be obvious streaks on the surface upon curing.

Any flaws can only be removed by machine polishing, and you need to redo the application. Therefore, please work in an environment with enough light sources to detect streaks quickly.

To prevent the flaws from being found after the project is done, we recommend checking the application outcomes in advance using white light, yellow light, refracted light and LED handheld light.

Equipment Required:

1. Spray Gun
2. LED handheld light or other lighting devices
3. Infrared Curing Lamp: to allow the coated surface to reach 70°C and above

Application Steps

Pre-Application:

It is important that the surface be completely clean to strengthen adhesion and prolong the durability of the coat. Otherwise, there will be flaws and dirt stuck inside the coating layers.

Application Steps:

1. Filter RimShield mixture twice with a 300-mesh filter because the mixture may form microparticles during storage. These particles will stay on the surface of the film coat.
2. Spray Air Pressure: 1.5 to 1.8 bar
3. Distance: 20 to 30cm
4. Effective thickness of coating: 15 microns and above

Consumption

- ✓ 1ml of RimShield can be applied on a 30cm by 30cm area.

Initial Heating is Done to Strengthen the Bonding of the Coated Film

*******YOU MUST DO THE CURING PROCESS**

Equipment Required:

- ✓ Infrared Curing Lamp
- ✓ Infrared Thermometer

Temperature Requirement:

- ✓ Heat the coated surface to 70°C or above. (Please measure with an Infrared Thermometer.)

Time Requirement:

- ✓ The surface must be heated for at least 30 minutes

Full Curing Condition Needed

1. You need 72 hours to reach full curing.
2. Avoid contact with water in this 72 hours. If there are any water droplets on the surface, dry the surface immediately.
3. Do not wash the car for the next 7 days after application. After 7 days, get the car to be returned to a KubeBond service center to do the first cleaning and to check that the coating is in the best condition.

Maintenance after Application

1. Do not wash the car with car wash machines.
2. Clean only with water and a neutral detergent.
3. Do not apply wax on the car body after coating treatment.
4. To get the best quality out of your coating, please get the car back to the service center every 2 to 3 months to do coat maintenance work.

For basic maintenance, spray Diamond Plus 2 to 3 times onto a damp cloth and apply the product evenly on the coated surface when needed.

Do not touch the surface or let it come into contact with water within 8 hours of application. The Diamond Plus will create nano hair on the coated surface and restore hydrophobic effect after each maintenance.

Storage Method

1. Please store the products upright and keep them away from flames and flammable materials.
2. The suitable storage temperature is 5°C to 25°C.
3. Shelf life for unopened product is 5 years.
4. Seal the bottle tightly after opening. Otherwise, the product may start to cure when it comes into contact with air.

Warnings

1. Once RimShield dries, it cannot be removed with chemicals. It can only be removed by machine polishing.
2. This product is not harmful to skin. If product comes in contact with your skin, clean it off with water.
3. If the products come into contact with your eyes, please wash your eyes with large amounts of water. If discomfort remains, seek medical help immediately.
4. This product is not edible. Please store them away from children's reach.

Maintenance Process

1. If the coated surface comes into contact with water within 72 hours after coating, wipe away the water immediately.
2. Slight Pollution:
 - ✓ Clean the coated surface with water and a neutral detergent.
 - ✓ Dry the car body.
 - ✓ After the stain is removed, apply Diamond Plus to restore hydrophobic effect.
3. Medium Pollution:

If the stain remains on the surface after washing, please follow this process:

 - ✓ Use Nano Primer to polish the stained part.
 - ✓ Apply RimShield.
4. Extreme Pollution:

If the stain has severely damaged the surface, please follow the machine polish process:

 - ✓ Machine-polish the damaged part.
 - ✓ Clean the surface.
 - ✓ Reapply RimShield as before.

Frequently Asked Questions

1. Why does the surface dirty easily after coating treatment?

After coating treatment, the surface will become perfectly hydrophobic. It makes the water droplet stay on the flat surface. When the water droplet dries up, it leaves behind the dirt. You will see this as dirty spots. However, it is very easy to clean the dirt using water and a neutral detergent. On the other hand, if there was no coating treatment, the dirt will be evenly distributed on the car surface making it difficult to notice and clean off.

2. Is it possible for the coated surface to stay clean without washing after the coating treatment?

The coated surface still needs to be maintained and washed after a coating treatment. The coated area only makes the surface less likely to get dirty. Even when the surface gets dirty, it will be really easy to clean because of its excellent hydrophobic effect.

3. How do we check that the RimShield coated film is still on the surface?

Test it with a marker pen. If the coated film is still on the surface, it will resist the graffiti. As long as you maintain the coated film by Diamond Plus, the car surface will recover its hydrophobic effect.