

# NanoX Table of Contents

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## Product Description

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Give your customers yearlong protection in a breeze with KubeBond NanoX. Just one application transforms all the paintwork into a shiny surface that is resistant to all weather conditions.

This is a result of the ceramic molecular net of the coating that enables strong protection and creates a surface that stays clean for longer.

## Product Features

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- ✓ Provides protection up to 12 months
- ✓ Forms a transparent coating
- ✓ Improves car color saturation and give a high gloss finish
- ✓ Provides resistance to chemical damage
- ✓ Prevents aging and yellowing caused by UV radiation
- ✓ Excellent hydrophobic effect (Water contact angle can reach 125° and above)
- ✓ Makes surface easy to clean

## Suitable Application Surface

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- ✓ Painted surfaces of car body
- ✓ Applied as a top layer on Diamond 9H coated film

## Packing Contents

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- ✓ KubeBond NanoX: 50ml
- ✓ Application Sponge: 1pc
- ✓ White Micro-Suede Cloth: 2pcs
- ✓ Sticker – KubeBond: 1pc
- ✓ Sticker – CHOOSE NanoTech Certification: 1pc

## Working Instructions

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### Before Application:

1. ***Please work at an environment of 25°C (indoor), humidity 60% to 70%.***

If the working environment is higher than 25°C, the curing process will be faster. It will shorten the time that is available for fixing the coating film.

We recommend working on a small area first. Adjust your working pace by observing the curing condition. Also, we suggest you start working on an area that is less obvious and make sure all conditions are ideal before starting on a full-scale application project.

If the working environment is lower than 20°C, the curing process will be slower. There will be plenty of time for you to fix the coating film.

2. ***Please work in an environment with enough light sources.***

If the products are not applied evenly and not fixed at the right time, there will be obvious streaks on the surface after curing.

Therefore, please work in an environment with enough light sources to detect streaks.

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

### Equipment Required:

1. Application Sponge (In Package)
2. White Micro-Suede Cloth (In Package)
3. KubeBond Microfiber Towel
4. LED Handheld Light or other lighting devices
5. Infrared Curing Lamp: to allow the coated surface to reach 70°C and above

## Application Steps

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### Pre-Application:

1. 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.

The following are the important steps in the cleaning process:

- ✓ Clean the car body.
  - ✓ Buff the surface to a mirror finish.
  - ✓ Completely dry the surface.
2. After cleaning the surface, apply KubeBond Nano Primer to the paint surface. This pre-application process will strengthen the adhesion and tighten the paint particles. Also, it can prevent the product from penetrating into the gaps between paint particles, which will create uneven patches.
    - ✓ Load the right amount of KubeBond Nano-Primer to the polish plate.
    - ✓ Set the machine polisher to 800 rpm and polish the painted surface to a perfect state.
    - ✓ Let Nano Primer stay for the duration as stated below on the paint before starting NanoX application.
- Soft Paint (Japanese car): Let Nano-Primer stays for approximately 24 hours before NanoX application.
  - Hard Paint (German Car): Let Nano-Primer stays for approximately 1 hour before NanoX application.

*\*KubeBond Nano-Primer is only for painted surfaces of cars.*

### Application Steps:

1. Wrap the Application Sponge with White Micro-Suede Cloth as an applicator.
2. At the beginning of the application, pour NanoX onto the applicator evenly until it absorbs the NanoX. Do not pour the product directly onto the car body. It may cause uneven spotting on the surface due to the uneven amount of product absorbed by the surface.

*\*If the amount on the applicator is not enough, it will be difficult to move the applicator and cause streaks.*

3. Apply product on car surface with the applicator.
  - ✓ Apply gently.

- ✓ Divide the big area into small ones and work on one small area at a time. To have enough time to fix the film evenly before the surface dries, divide the panel into an even smaller area if the temperature is higher.
  - ✓ Applying in a consistent direction can reduce streaking and ensures that there are no missing parts, and that every area is applied evenly.
4. Levelling is a procedure that makes the film more even. The steps are as follow:
- ✓ Wait for 1 minute for levelling when it is at 25°C, humidity 60% to 70%.  
***\*Reduce waiting time if the temperature & humidity is higher.***
  - ✓ Use New and Dry Microfiber cloth for this procedure.
  - ✓ Use the same piece and the same side of the microfiber cloth for the whole procedure. (The purpose of this step is to make NanoX form an even layer on the car body. If you constantly change the sides of the cloth, it will cause the coated film to become increasingly thinner. It may even wipe the product down completely.)
  - ✓ To get the best even surface, make sure you do the process really gently.

## Consumption

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- ✓ 1ml of NanoX can be applied on a 30cm by 30cm area.
- ✓ One 50ml product is enough for 2 layers of application on a medium sedan.

## Applying 2 layers to ensure that there are no missing parts

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### Multi-Layer Application Steps:

Follow the process as described previously for the single layer.

Before applying the next layer, wait an hour under 25°C, humidity 60% to 70%. Adjust the waiting time according to the environmental condition. If the temperature is higher, you need to shorten the waiting time.

The timing to apply the second layer is very crucial. If applied too early, it will not be able to increase the thickness since the first layer hasn't dried. If applied too late, the surface will be hydrophobic and NanoX will remain on the surface like water droplets. You will not be able to apply multi-layer.

## 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 8 hours to reach full curing.
2. Avoid contact with water in this 8 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 clean 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.

## 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

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1. If streaks are formed while applying NanoX, curing will not remove the streaks. Remedy this problem by re-applying the NanoX layer.
2. Applicator and sponge could be used multiple times. After each use, please clean them with water or alcohol to prevent hardening.
3. This product is not harmful to skin. If product comes in contact with your skin, clean it off with water.
4. 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.
5. This product is not edible. Please store them away from children's reach.

## Maintenance Process

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1. If the car surface comes into contact with water within 8 hours after coating, wipe away the water immediately.
2. Slight Pollution:
  - ✓ Clean the car with water and a neutral detergent.
  - ✓ Dry the car body.
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 1 layer of NanoX.

## Frequently Asked Questions

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### 1. Why does the car 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 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 car body to stay clean without washing after the coating treatment?

The car body 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. Why is it necessary to apply KubeBond Nano-Primer before an application process?

KubeBond Nano-Primer is not a regular polish compound. It is a coupling agent, which will increase the adhesion strength of the product and make the paint particle stay tight.

It is able to prevent the product from penetrating into the gaps between the paint particles that will cause uneven patches to appear on the surface.

## 4. Why do rainbow stripes appear on the surface after application?

If NanoX is applied incorrectly, it will create an uneven layer. The uneven surface will make the light refract and cause the rainbow stripes to appear on the surface.

To prevent this, we recommend that you apply our products in a bright environment and check the finished area with lighting devices.

## 5. How did you conclude that NanoX gives a 12-months protection?

We took into account the common steps taken to wash cars:

- ✓ Water shower
- ✓ Shampoo with sponge
- ✓ Water shower
- ✓ Dry the car body

Car lovers may wash their cars once a week. Since there are 52 weeks in a year, the car will be washed 52 times annually. With each wash, the Nano-hair coating will wear off. The hydrophobic effect will also



gradually reduce to zero.

NanoX can withstand car-washing effect for over 50 times. Its hydrophobic effect thus remains for up to 12-months.

## 6. What is the difference between NanoX and Diamond Plus?

The NanoX offers a 12-month hydrophobic effect from the rich layer of Nano-hair.

On the other hand, Diamond Plus is a maintenance product for Diamond 9H coated surfaces that adds Nano-hair layer and recovers the hydrophobic effect.

If you apply Diamond Plus onto the car body without applying a Diamond 9H layer first, the hydrophobic effect of Diamond Plus will last for much shorter duration of around 3 weeks because the Nano-hair will be worn off quickly.