What is NANO-CERAMIC?

NANO-CERAMIC is a revolutionary, ultra-hard and long-lasting ceramic surface coating that provides superior scratch resistance and semi-permanent protection for all military vehicle finishes and materials like fiberglass, steel, glass, and carbon fiber by forming semi-permanent molecular bonds with the surface.

NANO-CERAMIC is flexible enough to handle expansion and deformation, such as the flexing of steel panels. It won’t crack or peel.

NANO-CERAMIC gives a near-permanent super gloss and will leave surfaces in showroom condition without the need for waxes or other cleaning agents.

NANO-CERAMIC is completely resistant to acidic environmental substances, such as bird droppings and acid rain, and to oxidation and corrosion from salty water, unlike your factory equipment paint and other parts which can be permanently damaged.

NANO-CERAMIC will not etch or dissolve when in contact with these substances, like salts, fuels, hydraulic fluids, maintaining the original surface.
What are the benefits of applying NANO-CERAMIC?

NANO-CERAMIC will provide any military vehicle with a superior clear coat film that can withstand harsh environmental weathering and exposure to the elements. It is resistant to chemical etching, is much harder than factory coatings, will reduce swirl marks and scratches, and has a semi-permanent hydrophobic surface that is much easier to clean and stays cleaner longer.

How it works:

**Step 1** Surface layer of factory clear coat is damaged and contaminated.

**Step 2** Technician decontaminates and polishes clear coat to produce a smooth and even surface.

**Step 3** Coating thickness will be restored with a superior NANO-CERAMIC layer.

*Tip! Apply immediately upon delivery of vehicle for best results.*
NANO-CERAMIC is available in different grades:

### SI10 Basecoat
- For maximum results with total hardness, first use our Gorilla Basecoat 2.5 Micron. Especially recommended for soft clear coats & repainted vehicles, SIBC basecoat provides ultimate hardness with an almost unremovable smooth finish ready to bond with any of our revolutionary protective coatings.
- Superb Hydrophobic Effect
- Excellent Weather Resistance

### SI14 Diamond
- 2 Micron HD (High Density)
- Reduce micro-scratches with H9++ Hardness
- Superb Hydrophobic Effect
- Excellent Weather Resistance
- UV & Thermal Resistance
- Diamond-hard stand-alone on matte paint
- 5 Years of protection on factory paint (in combination with SIBC)

### SI07 Ultra Gloss
- 6 Micron
- Reduce Scratches with H9+ Hardness
- Superb Hydrophobic Effect
- Excellent Weather Resistance
- UV & Thermal Resistance
- Enhanced Durability
- 3 Years of protection on factory paint (in combination with SIBC)

### SI06 Clear View
- Protects glass surfaces & mirrors
- Repels water for 30% better visibility in rainy conditions.
- 2H Hardness (2 micron)
- Lasts 6-12 months
• 200 Micron 0.008”.
• Impact resistance 2.2lbs / 25”
• Zero water absorption
• Superior anti-corrosion/anti-pollution coating
• This coating has an outstanding hydrophobic effect.
• Resistant against severe chemical attack and UV radiation
• This coating can withstand thermal shock and temperatures of 1100°F
• No primer is required

SI11 Gloss
SI12 Matte

SIFX Canvas Fabric & Leather

• Water and dirt are repelled, so spills are easier to clean
• Enhanced hygiene
• Superb hydrophobic effect to keep fabrics, leather, and carpets cleaner longer
• Resists environmental pollutants
• Lasts 1-3 years (depending on use)

SI13 Custom Color

NWAS Nano Wash

• Premium grade, high-gloss shampoo, low-foaming to reduce drying stains.
• Features a built-in hydrophobic effect, so glass and paint stay cleaner longer.
• Cleaning intervals and the formation of water spots will be greatly reduced.
• Dries 80% faster, saving time and money.
• Super-hydrophobic surface angle >150o
• Dilute 1:50. Lasts up to 4 weeks.
The Perfect Protection Plan for Vehicles (Small to Medium)

**SI06**
Glass / Acrylic
Windows

**SI07**
Ultra Gloss
3-Year Protection
Topcoat
Hydrophobic
Scratch Resistant

**SI10**
Basecoat
Semi-Permanent Protection

**SI14**
Diamond
5-Year Protection
Topcoat
Hydrophobic
Micro-Scratch Resistant

**NWAS**
Nano Wash
Hydrophobic-Fast Dry

SI14: a stand-alone product that can also be used on matte paint due to its 2 Micron thickness.
The Perfect Protection Plan for Large Vehicles
(Undercoating, Anti-Fouling & Rustproofing)

SI11 Gloss
Transparent
Spray/Roll-On
2-Component

15 Years+
Permanent Protection

SI12 Matte

SI13 Custom Color
Color
Spray/Roll-On
2-Component
Min. order
>2200 lbs
15 Years+
Permanent Protection

NWAS
Nano Wash
Hydrophobic-Fast Dry

SI11/ SI12
You can find independent test report EN 1504-2 on our website.
Leading in Durability

<table>
<thead>
<tr>
<th>Product</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI11 2-Component</td>
<td>(SI12 Matte) H9+++ 40% More durable/harder. Spray on! (hydrophobic)</td>
</tr>
<tr>
<td>SI10 Basecoat Semi-Permanent</td>
<td>H9++ 30% More durable/harder than SI07 (nonhydrophobic)</td>
</tr>
<tr>
<td>SI14 Diamond Gloss</td>
<td>H9+ 20% More durable/harder than SI07</td>
</tr>
<tr>
<td>SI07 Wet Look Gloss</td>
<td>H9 10% More durable/harder than the average competitor</td>
</tr>
</tbody>
</table>

Easy Ordering

Ready to try NANO-CERAMIC to protect and shine your heavy equipment?
You can order directly through an authorized dealer near you.
Upon receipt of your order, we will ship the order by the courier of your choice once payment is received.

Where to use our coatings:
High-End Ceramic Coatings

2-Component Ceramic Coating System

Preparation Products

Maintenance Products

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
Long-lasting results against the harshest elements.

- Two simple steps: Clean and Apply
- Semi-permanent protection of the original finish
- Scratch Resistant: Our layers are 4 times harder than factory paint.
- UV Ray Protection
- Superb protection against corrosion
- Has an outstanding hydrophobic effect, and the surface stays cleaner longer.
- After application, the surface is much easier to clean because the adhesion of dirt is reduced drastically.
- Our hydrophobic, ultra-dry-surface application prevents icing.
- Cleaning intervals and maintenance costs will be greatly reduced.
- Retention of paint and protection of all surfaces treated, resulting in a higher resale value.
How to use our coatings (SIO6, SIO7, SI10, SI14) on paint, fiberglass, stainless steel, chrome and varnished wood:

These products can be stored for up to 24 months (in a dry, temperature-stable, dark environment)

Consumption:
Approximately 2 ml/m²
Ambient temperature: 5-30°C
Avoid direct sunlight and/or high humidity.

IMPORTANT:
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend to use latex or nitrile gloves to make sure your hands are protected.

RECOMMENDATION
The best effect can be achieved by treating surfaces that are in new or almost new condition.

CLEANING
Clean the surface thoroughly until it is absolutely clean.
If necessary, use our Shampoo and Scrub Cleaner with our Steril Pretreatment Cleaner as a last step to make sure that all Scrub Cleaner residue or other contamination is removed, and the coating can bind properly.
Make sure that the surface is completely dry before application!

APPLICATION OF SI10 BASECOAT PERMANENT
Shake bottle before use!
We recommend applying the treatment in easy-to-handle segments of about 50 x 50 cm. Put 5-6 drops of SI10 on the mini towel (#40100502, 15 x 15 cm) using an applicator block (#40100602) underneath (Watch the application movie on our website for the right technique). Spread the coating properly by going over the same surface only 3 times. Wait about 15 seconds until a haze forms.
Remove the haze by buffing lightly with a microfiber towel. Wait 2 hours before you continue with the application of the SIO7 or SI12.
After 2 hours, SIBC is 80% cured and ready to receive SIO7 or SI12. After 11 days, it is fully hardened and semi-permanent.
APPLICATION OF SIO7 OR SI14

Shake the bottle very well before use! We recommend applying the treatment in easy-to-handle segments of about 50 x 50 cm.

Put 3-4 drops of SIO7 on the mini towel (#40100502, 15 x 15 cm) using the applicator block (#40100602) underneath. For hard-to-reach areas, our cotton pad (#40100100) can be used.

Start in the middle of the surface and work outward, spreading it with light pressure in crisscross motions until the product is evenly distributed.

MOST IMPORTANT: Continue until no product residue or hazing is visible. If you use too much coating or start in the corner of a panel, then you will not be able to divide it properly which can prevent the formation of even layers.

When applied correctly, there is no need to use a microfiber towel for further polishing. If you still prefer to buff it, then rub very gently and make sure that you use clean towels.

Our coatings have super-hydrophobic properties to repel water and dirt and protect aluminum, stainless steel, and paint with an invisible layer that makes the surfaces scratch-resistant and anti-fingerprint while preserving the original finish.
How to use SI11/SI12/SI13, our durable, 2-component, transparent and color coatings:

These products can be stored for up to 24 months (in a dry, temperature-stable, dark environment).

Consumption:
Approximately 500 - 70 gr/m²
Ambient temperature: 5-30°C
Avoid direct sunlight and/or high humidity.

IMPORTANT:
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend to use latex or nitrile gloves to make sure your hands are protected.

Applicators:

Application information
The SI11 system can be applied directly or indirectly on all hard surfaces (porous and non-porous) such as aluminum, steel, wood, acrylic, and paint. The SI11 system is transparent gloss, while SI12 is a matte finish. Treatment will give surfaces a hydrophobic, self-cleaning barrier that will make cleaning easier and less costly, as special cleaners are unnecessary. The original surface will be protected against corrosion, erosion, carbon dioxide permeability, UV radiation, chemical attack, and scratches. The effects of time and exposure to the elements will be significantly lessened.

Preparation
First, clean the surfaces thoroughly until absolutely clean. If necessary, use our Reactivating Pure Shine Shampoo in combination with a high-pressure washer. Make sure that all contamination is removed so that the coating can bond properly onto a clean surface. The surface must be completely dry before application and must stay dry for 24 hours after application!

This is a 2-Component Nano Coating System
Mix one bottle of SI11B-SI12B (250 gr) with one bottle of SI11A-SI12A-SI13A (750 gr) by pouring bottle B into bottle A, or measure exactly by net weight in a ratio of 3:1 and mix very well. Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches a thickness of 80 or 200 μm / 0.1 mm or 0.2 mm after drying, depending on your choice of protection for 10 or 20 years. Depending on the surface, material and structure, different application techniques can be used (such as paint rollers or brushes). Let the surface dry for 24 hours. After 24 hours, 85% is cured, and the remaining 15% will be fully cured after 7 days. Be aware that the mixed contents cannot be stored longer than 3 hours. The surface can simply be maintained with a high-pressure washer at 80-120 bar using our biodegradable reactivating shampoo.

Tool cleaning
The individual components, as well as the mixing system of the paint sprayer, can be diluted and cleaned using our S
CLEANING
Clean the surface thoroughly until it is absolutely clean. If necessary, use our Reactivating Pure Shine Shampoo. Make sure that all contamination is removed so that the sealant can bind properly onto a clean surface. Make sure that the surface is completely dry before application!

APPLICATION
Shake the bottles very well before use! Spray until the surface is saturated.

CURING TIME
At normal ambient temperature, the coatings are completely cured after approximately 24 hours.

AFTERCARE
We strongly recommend using our reactivating shampoo, it reactivates the nano layer and cleans at the same time, without leaving a film of polymers or coloring chemicals behind.

IMPORTANT:
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend to use latex or nitrile gloves to make sure your hands are protected from any possible damage to your skin.
MPCL

Multi-Purpose Interior Cleaner

Product ID: MPCL0500 500 ml / MPCL5000 5 L
Consumption: +/- 2.5/m²
Used for: All surfaces
Application field: Interior use

MPCL Multi-Purpose Cleaner cleans and protects all interior surfaces quickly and easily.

Just spray and wipe to clean and protect interior plastics, vinyl, leather, fabrics, rubber, metal, carbon fiber, wood, audio and video equipment, and even engine compartments.

MPCL Multi-Purpose Cleaner leaves a strong UV protectant to keep surfaces looking like new!

Using an advanced concentrated formula, it cleans the smallest pores to remove stubborn dirt and odors.

- Anti-bacterial
- Pleasant scent
- Anti-odor

Easy to apply
Simply Spray, Wipe, and Buff Off

Anti-bacterial

Pleasant scent

Anti-odor

Applicator:
NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
**SCRUB**

*Scrub Cleaner*

*Non-Scratching*

**Product ID**: SCRUB0250 250 ml / SCRUB1000 1 L

**Consumption**: +/- 2.5 ml/m²

**Used for**: Hard surfaces

**Application field**: Paint, glass, chrome, plastic, carbon fiber

SCRUB pretreatment cleaner is the gentle way to clean vehicles protected with a layer of NANO-CERAMIC coating that need maintenance due to water spots or other contamination.

Scrub Cleaner uses ultra-fine polishing agents that safely and effectively remove mineral deposits or other stubborn contaminants. Suitable for use on paint, glass, chrome, and many other materials without scratching the surface.

If the ceramic coating is still stained after using our WSRE Water Spot & Stain Remover, applying SCRUB with a microfiber towel is recommended.

---

**Applicator:**

40100703
Steril pretreatment cleaner is a 100% sterile mixture that uses new technology to thoroughly prepare hard surfaces to form an enhanced and super-durable bond with our ceramic coatings.

- Makes surfaces much easier and quicker to clean and infiltrates the tiniest pores to create maximal grip for high-tech coating and sealing applications
- Degreases and prepares in a single step
- Safe and economical to use
- Won't discolor materials
Cut cleaning time and water usage by 50%.

**NWAS**

**Hydrophobic Gloss Shine - Nano Wash**

- **Product ID**: NWAS1000 32 oz / NWAS5000 1.32 gal
- **Consumption**: +/- 4 ml/m² (100 ml = 5 L RTU = +/- 25 m²)
- **Used for**: Water spot protection
- **Application field**: For manual or automatic systems

Nano Wash adds a glossy, super-hydrophobic layer while washing your vehicle and cuts drying time by 80%.

- Can be used for hand-washing or in automatic car washes and is suitable for coated and uncoated cars.
- Premium grade, high-loss shampoo, low-foaming to reduce drying stains.
- Features a built-in hydrophobic effect, so glass and paint stays cleaner longer.
- Cleaning intervals and the formation of water spots will be greatly reduced.
- Dries 80% faster, saving time and money.
- Super-hydrophobic surface angle >150°
- Dilute 1:50. Hydrophobic effect lasts up to 4 weeks.

**Easy to apply by just washing**  
**Super hydrophobic >150°**  
**Anti-water spot**  
**Easy to clean**  
**Stays cleaner longer**

**Applicator:**

40100703

NANO-CERAMIC®

THE NEW GENERATION COATINGS

NANO-CERAMIC.COM
Material Safety Data Sheets

[Image of Material Safety Data Sheets]

Corrosion Test

[Images of uncoated and coated surfaces]

Testing Certificates

[Images of SGS certificates]

THE NEW GENERATION COATINGS

NANO-CERAMIC.COM
Did you know?

Our coatings are made of pure silica sand, which is the most common element on Earth?

The Leader in Durability

Head Office

PT Nano Ceramic International
Jl.Raya Gading Boulevard Barat
Blok B No.5-6, Kelapa Gading, Jakarta Utara,
14240, Indonesia

industrial@nano-ceramic.com

Distribution

Demo

+62 811 640 5000