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 heavy equipment finishes and materials like fiberglass, stainless steel, glass, and carbon fiber by forming semi-permanent molecular bonds with the surface.

What makes NANO-CERAMIC so different?

NANO-CERAMIC is more than 4 times stronger than factory paint finishes and can absorb damage that would otherwise affect the appearance and integrity of your paint. This extremely durable ceramic coating reduces swirl marks and light scratches while protecting and preserving factory paint.

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 paint and other parts which can be permanently damaged.

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

NANO-CERAMIC will provide any heavy equipment 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:

**SIBC Basecoat**
- 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)

**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**
- 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**
- Protect glass surfaces & mirrors
- Repels water for 30% better visibility in rainy conditions.
- 2H Hardness (2 micron)
- Lasts 6-12 months
### SI11 Gloss
#### S112 Matte
- 200 Micron 0.008”
- Impact resistance 2.2lbs / 25”
- Zero water absorption
- Superior anti-corrosion/anti-pollution coating
- Has an outstanding hydrophobic effect.
- Resistant against severe chemical attack and UV radiation
- Can withstand thermal shock and temperatures of 1100°F
- No primer is required

### SI13 Custom Color
- 200 Micron 0.008”
- Impact resistance 2.2lbs / 25”
- Zero water absorption
- Superior anti-corrosion/anti-pollution coating
- Has an outstanding hydrophobic effect.
- Resistant against severe chemical attack and UV radiation
- Can withstand thermal shock and temperatures of 1100°F
- No primer is required

### SIFX
#### Canvas, Fabric & Leather
- Water and dirt are effectively repelled, making spills easier to clean.
- Hygiene goes to a higher level.
- Has an outstanding hydrophobic effect, so fabrics, leather and carpets stay cleaner and drier longer.
- Against the penetration of pollution.
- Lasts 1-3 years (depending on use)

### 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 >150°
- Dilute 1:50. Lasts up to 4 weeks.
The Perfect Protection Plan for Light Equipment

**OPTIONAL**

- **SI06**
  - Glass / Acrylic
  - Windows

**RECOMMENDED**

- **SI10** Basecoat
  - Semi-Permanent Protection

**OPTIONAL**

- **SIFX** Interior Sealer
  - Fabrics & Leather

**SI07 Ultra**

- 3-Year Protection
  - Topcoat
    - Hydrophobic
    - Scratch-Resistant

**SI14 Diamond**

- 5-Year Protection
  - Topcoat
    - Hydrophobic
    - Micro-Scratch-Resistant

**NWAS Nano Wash**

- Hydrophobic-Fast Dry

**SI14**: stand-alone product that can also be used on matte paint due to its 2 Micron thickness.
The Perfect Protection Plan for Heavy Equipment
(includes undercoating & rustproofing)

SI11 Gloss
SI12 Matte
Transparent
Spray/Roll-On
2-Component
15 Years+
Permanent Protection

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

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## Where to use our coatings:

- SI06
- SI07
- SI10
- SI14
- SI11/SI12

![Diagram of industrial equipment with coatings applied]
High-End Ceramic Coatings

**Basecoat H9+++**
Scratch-Resistant
Semi-Permanent
Non-Hydrophobic
100 ml
SI100100
Consumption 2 ml/m²
Paint, Fiberglass, Stainless Steel, Aluminum

**Ultra H9+**
Scratch-Resistant
Semi-Permanent
Hydrophobic
100 ml
SI070100
Consumption 2 ml/m²
Paint, Fiberglass, Stainless Steel, Aluminum

**Diamond H9++**
Micro-Scratch Resistant
Semi-Permanent
Hydrophobic
100 ml
SI140100
Consumption 2 ml/m²
Paint, Fiberglass, Stainless Steel, Aluminum

**Ceramic Coating H2**
Semi-Permanent
Hydrophobic
100 ml
SI060100
Consumption 2 ml/m²
Glass, Acrylic

2-Component Ceramic Coating System

**Permanent Transparent System**
for glossy surfaces
SI111000 2-Component 1 kg
Consumption 50-70 gr/m²
Glossy Paint, Fiberglass

**Permanent Transparent System**
for matte surfaces
SI121000 2-Component 1 kg
Consumption 50-70 gr/m²
Matte Paint, Fiberglass

**Permanent Color System (Custom Color)**
No primer is required.
SI121000L 2-Component 1.000 kg
Consumption 50-70 gr/m²
Steel, Concrete, Paint, Wood, Fiberglass

Preparation Products

**Scrub**
Non-Scratching
250 ml 1 L
SCRUB250 SCRUB1000
Consumption 2.5 ml/m²
All Surfaces

**Steril Cleaner**
100% Sterile
1 L 250 ml 500 ml 1L
CLEAN0100/250/500/1000
Consumption 2 ml/m²
Aluminum, Paint, Glass

**Interior Protector**
Transparent
1 L 5 L 20 L
SIFX1000 SIFX5000 SIFX200L
Consumption 20-40 ml/m²
Fabrics & Leather

**Nano Wash Reactivating**
Pure Shine
1 L 5 L 20 L
NWAS1000 NWAS5000 NWAS200L
Dilution ratio 1:50 max 1:100
All Surfaces
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: 41-86°F
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 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.
Cut cleaning time and water usage by 50%.

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.

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/m² of SIO7 or SI14 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 criss-cross 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.
SI06 is a superb safety feature for heavy equipment. In industry, super-hydrophobic coatings are already widely used in ultra-dry surface applications. In addition to these industrial applications, our super hydrophobic coatings have proven their use on vehicle windshields to prevent rain droplets from clinging to the glass.

**How to use SI06, our Glass / Acrylic / Vinyl coating:**

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.

Shake the bottle very well before use!

Take a soft cotton pad (#40100100) and pour a few drops of the coating on it (start with a small amount, as very little product is needed).

Rub evenly onto glass or acrylic panels or vinyl surfaces with firm pressure on the pad. (to make sure you use the right technique watch the apply video on www.nano-ceramic.com)

When applied correctly, you can see after a light grey haze on the surface.

Gently use a clean cheesecloth to polish away the haze after all solvents are vaporized.

**CURING TIME**
Immediately after polishing, the coating is dry and resistant to touching. At normal temperature the coatings are completely cured after approximately 12 hours.
How to use our durable SI11/SI12/SI13 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 50-70 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.

Application information
The SI11/SI12/SI13 system can be applied directly or indirectly on all surfaces (porous and non-porous) such as concrete, steel, wood, acrylic, gypsum, painted or unpainted surfaces, indoors, or outdoors. The surface underneath will be superbly protected against dirt and corrosion and will stay cleaner longer. Cleaning becomes quicker, easier, and less expensive, as special cleaning agents are unnecessary.

Preparation
Clean the surface thoroughly until it is 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 g) with one bottle of SI11A-SI12A-SI13A (750 g) 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 Steril Cleaner.
SIFX is an invisible, flexible layer that bonds to canvas, fabric and leather surfaces. It has super hydrophobic properties to repel water and keeps dirt from penetrating into the treated surfaces.

**How to use SIFX, our canvas, fabrics and leather sealant:**

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

**Consumption:**
- Canvas: +/- 40 ml/m²
- Fabric: +/- 40 ml/m²
- Leather: +/- 20 ml/m²
- Ambient temperature: 41-86°F
  - Avoid direct sunlight

**Applicators:**
- Sprayer bottle

**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**
Shake the bottle 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 Pure Shine Shampoo to reactivate the nano layer and clean at the same time, without leaving a film of polymers or coloring chemicals behind. This shampoo is biodegradable and safe for skin as well.

**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.
MPCL Multi-Purpose Interior Cleaner

Product ID: MPCL0500 500 ml / MPCL5000 5 L
Consumption: +/- 2.5 ml/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, Buff Off
Anti-bacterial
Pleasant scent
Anti-odor

Applicator:

40100703

Cleans the smallest pores to remove stubborn dirt and odors.
Scrub Cleaner is the safe way to remove stubborn contamination while keeping the ceramic layer intact.

**SCRUB**

**Scrub Cleaner**
**Non-Scratching**

- **Product ID**: SCRUB0250 250 oz / SCRUB1000 1 L
- **Consumption**: +/- 2.5 ml/m²
- **Used for**: Hard surfaces to remove mineral deposits
- **Application field**: Paint, glass, chrome, plastic, carbon fiber

SCRUB pretreatment cleaner is the gentle way to clean objects 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

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NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
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

Product ID: CLEAN0500 500 ml / CLEAN1000 1 L
Consumption: +/- 2 ml/m²
Used for: Preparation cleaner to open surface pores
Application field: Paint, glass, plastic, chrome, carbon fiber

Easy to apply
Degreaser
Easy to clean
Sterile clean
Safe to use

Applicator:

40100703
Si-Nano Protect
Ceramic Sealer

Product ID: SIPR0250 250 ml / SIPR1000 1 L / SIPR5000 5 L
Thickness: 0.5 Micron
Consumption: +/- 2.5 ml/m²
Used for: High gloss & water spot prevention
Application field: Paint, plastic, chrome, carbon fiber

Si-Nano Protect forms a semi-permanent molecular bond with painted and nano-coated surfaces, and is designed to prevent water spots, acting as a glossy protective layer that will last for multiple months with just one application.

- Makes surfaces much easier and quicker to clean while reducing the adhesion of dirt and dust.
- Leaves a high-gloss surface behind that features an outstanding hydrophobic effect, staying cleaner longer.
- Cleaning intervals and the formation of water spots will be greatly reduced.
- Can also be used on unlacquered plastic and chrome parts, making the product perfect for all automotive, motorcycle, and scooter applications.
- Works great in engine compartments and to renew dashboard gloss.
- Lasts up to 3 months

How to use:
- See page 20
Si-Nano Vision is an extremely high-tech ceramic sealer that is specially designed for coated and uncoated glass surfaces.

- Makes glass much easier and quicker to clean while drastically reducing the adhesion of dirt.
- Has an outstanding hydrophobic effect, so glass stays cleaner longer.
- Reduces cleaning intervals and prevents the formation of water spots.
- Repels water for 30% better visibility in rainy conditions.
- Lasts up to 3 months

Product ID: SIVI0250  250 ml / SIVI1000  1 L / SIVI5000  5 L
Thickness: 0.5 Micron
Consumption: +/- 2.5 ml/m²
Used for: Clear vision & water spot prevention
Application field: Vehicle glass, acrylic

How to use:
- See page 20

Easy to apply
Hydrophobic: Water & oil repellent
Anti-water spot
Easy to clean
Stays cleaner longer
Better visibility for safe driving
HOW TO USE:

NANO-CERAMIC Si-Nano Protect, Si-Nano Vision, Steril & Shampoo

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

Consumption:
Approx 2.5 ml/m² or 2 trigger sprays per m²

Processing temperature:
5-30°C - Avoid direct sunlight and/or high air 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.

CLEANING
Clean all surfaces thoroughly with SHRE Shampoo, and use our Steril Pretreatment Cleaner as a last step to make sure that all residue and contamination is removed so the Si-Nano Protect can bind properly with the surface. Make sure that the surface is completely dry before application!

APPLICATION
Shake the bottle very well before use! Spray 2-3 times on a clean microfiber towel (start with small amounts; only a little product is necessary). Moisten all panels evenly. When applied correctly, you will see a light grey haze on the surface. Polish away the haze using a clean microfiber cloth. Using too much product can cause streaking.

CURING PERIOD
Immediately after polishing away the haze, the surface can be touched. At normal ambient temperature, the sealant is completely cured after approximately 10 minutes.

AFTERCARE
We strongly recommend using our SHRE Pure Shine Shampoo to reactivate the layer and clean at the same time, without leaving a film that could eliminate the hydrophobic effect that the Si-Nano Protect and Si-Nano Vision layer provides. Our reactivating shampoo is environmentally friendly.

WINDSHIELD ADDITIVE
SIVI can also be used as windshield washing fluid additive when diluted 2:100.
WSRE Water Spot and Stain Remover effectively dissolves calcium and magnesium.

**WSRE**

**Water Spot / Stain Remover**

**Biodegradable & Gentle on Skin**

- **Product ID**: WSRE5000 5 L / WSRE020L 20 L
- **Consumption**: +/- 10 ml/m²
- **Used for**: Hard surfaces
- **Application field**: Paint, glass, chrome, plastic, carbon fiber

This fully biodegradable stain remover is made with a synergistic blend of environmentally friendly acids to boost cleaning performance and cost-savings. WSRE is suitable for use on glass, steel, porcelain, and many other materials.

- Anti-corrosion and safe to use on all hard surfaces.
- Prevents mineral deposition and dissolves lime scale.
- GHS label: NO health hazard label or acute toxicity
- Readily biodegradable (OECD)
- Safe for all hard surfaces
- Dissolves calcium and magnesium
- Reduces spotting & filming
- Stays cleaner longer

Application: Wet the surface and wait 15 minutes so the calcium and magnesium can dissolve. For stubborn buildup, pretreat with our SCRUB cleaner.

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**Safe for skin**

**Non-corrosive**

**Dissolves calcium and magnesium**

**Reduces spotting & filming**

**Stays cleaner longer**

**Applicator:**

40100703
Cut cleaning time and water usage by 50%.

**NWAS**

**Hydrophobic Gloss Shine - Nano Wash**

- **Product ID**: NWAS1000 1 L / NWAS5000 5 L
- **Consumption**: +/- 4 ml/m² (100 ml = 5 L RTU = +/- 25m²)
- **Used for**: Water spot protection
- **Application field**: For manual or automatic systems

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

- Can be used for hand-washing or in automatic car washes and is suitable for coated and uncoated vehicles.
- 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.
- 80% faster dry, saving time and money.
- Super-hydrophobic surface angle >150°
- Dilute 1:50. Hydrophobic effect lasts up to 4 weeks.
Material Safety Data Sheets

Corrosion Test

Uncoated Surface

Coated surface

Testing Certificates

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

The Leader in Durability

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