Marine
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 yacht and marine materials like fiberglass, stainless steel, glass, and carbon fiber by forming semi-permanent molecular bonds with the surface.

NANO-CERAMIC is flexible enough to handle the expansion and deformation of fiberglass hulls. It won’t crack or peel off.

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

Metal parts can severely corrode over time from exposure to the environment.

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 marine 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 marine crafts 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 marine 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 vessel for best results.
NANO-CERAMIC is available in different grades:

**SIBC Basecoat**
- For maximum results with total hardness, first use our Gorilla Basecoat 2.5 Micron. Especially recommended for soft clear coats & repainted vessels, 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

**SIO5 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 finish (in combination with SIBC)

**SIO7 Ultra Gloss**
- 6 Micron
- Reduce Scratches with H9+ Hardness
- Superb Hydrophobic Effect
- Excellent Weather Resistance
- UV & Thermal Resistance
- Enhanced Durability
- 3 Years protection on factory finish (in combination with SIBC)

**SIO6 Clear View**
- Protects glass surfaces & mirrors
- Repels water for 30% better visibility in rainy conditions.
- 2H Hardness (2 Micron)
- Lasts 6-12 months
## SIFX 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)

## 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.

## SIPR Si-Nano Protect
- 0.5 Micron
- Use on Paint, Chrome, Plastic, Dashboard & Engine
- Easy to Apply: Spray, Wipe, Buff Off
- Apply to Coated/Uncoated Vessels
- Hydrophobic Effect
- Brings back original shine
- Anti-water spot protective layer
- Lasts up to 3 Months with one application

## SIVI Si-Nano Vision
- 0.5 Micron
- Use on Windshields and Mirrors
- Can be used as a wiper fluid additive diluted in the ratio of 2:100
- Easy to Apply: Spray, Wipe, Buff Off
- Apply to Coated/Uncoated Vessels
- Hydrophobic Effect
- 30% Better visibility in rainy conditions
- Anti-water spot protective layer
- Lasts up to 3 Months with one application
The Perfect Protection Plan for Your Marine Craft

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

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

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

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

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

**Weekly**
- **SHRE** Pure Shine Shampoo
- **MPCL** Multi-Purpose Cleaner

**Monthly**
- **SIPR** Body
- **SIVI** Glass

**Maintenance**
- **3-MONTH CYCLE**
  - Extra protective layer to avoid water spots that can damage the ceramic layer, and to maintain a hydrophobic barrier

**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 Vessels
(and for Anti-Fouling & Rustproofing)

SI11 Gloss
Transparent Spray on 2-Component
15 Years+
Permanent Protection

SHRE Pure Shine Shampoo

Optionals:
SI06 Glass / Acrylic Windows

SI11, SI12
You can find an independent test report EN 1504-2 on our website.

SIFX Interior Sealer Fabrics & Leather

NANO-CERAMIC®
The New Generation Coatings
NANO-CERAMIC.COM
Where to use our coatings:

Our High-End Ceramic Coating Range

IATA packaging on request
Nano Maintenance and Cleaning Aid

Si-Nano Protect
Renew Gloss & Hydrophobic
250 ml  1 L  5 L
SIPR0250  SIPR1000  SIPR5000
2.5 ml/m² or 2 trigger sprays/m²
Paint, Fiberglass

Si-Nano Vision
Renew Hydrophobic
250 ml  1 L  5 L
SIVI0250  SIVI1000  SIVI5000
2.5 ml/m² or 2 trigger sprays/m²
Glass, Acrylic, Vinyl

Nano Wash
Hydrophobic Gloss Shine
1 L  5 L  20 L
NWAS1000  NWAS5000  NWAS3200L
Dilution ratio 1:50 to 1:100
All Surfaces

SIMC MultiCleaner
Anti-Bacterial Hydrophobic
250 ml  1 L  5 L
SIVI0250  SIVI1000  SIVI5000
0.007 oz/ft² or 2 trigger sprays per 10 ft²
Bathroom

Regular Maintenance Products

Scrub
Non-Scratching
250 ml  1 L
SCRUB250  SCRUB1000
+/− 2.5 ml/m²
All Surfaces

Steril Cleaner
Pretreatmet
100 ml 250 ml 500 ml 1 L
CLEAN100/250/500/1000
+/− 2 ml/m²
Paint, Glass, Chrome

Shampoo Re-active
Pure Shine
1 L  5 L
SHRE1000  SHRE5000
Dilution ratio 1:500
All Surfaces

Multi-Purpose Cleaner
Interior
500 ml  5 L  20 L
MPC0500/MPC5000/MPC020L
Consumption 2.5 ml/m²
All Surfaces
Apply NANO-CERAMIC in a few simple steps.

**Maintenance Plan**

- **Step 1** Washing
- **Step 2** Polishing
- **Step 3** Steril Cleaner
- **Step 4** Basecoat (Optional)  
  Curing time: 2 hours after application
- **Step 5** Nano Layer  
  Hydrophobic Topcoat
- **Step 6** Curing time: 6 hours in ambient temperature
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 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 20 x 30 inch.

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.
Clear vision protection for marine windows.

SI06 is a superb treatment for marine craft windows. In other industries, super-hydrophobic coatings are already widely used in ultra-dry surface applications. In addition to industrial applications, our super-hydrophobic coatings have proven their use on vessels and other vehicle windshields to prevent rain droplets from clinging to the glass. Our coating is anti-corrosive, anti-icing, has self-cleaning capabilities, and is safe to use on all glass and acrylic surfaces.

How to use SI06, our glass/ acrylic/ vinyl coating:

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.

When applied correctly, you can now see 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 ambient temperature, the coatings are completely cured after approximately 12 hours.

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°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.

Anti-icing
Clear vision for enhanced safety
Easy to Apply
How to Use SI11/SI12, our 2-Component, Super-Durable, Transparent Coatings:

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

Consumption:
Approximately 0.50 - 0.70 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 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 erosion 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.
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 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 shampoo to reactivate the nano layer and clean 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 using latex or nitrile gloves to make sure your hands are protected.

These products can be stored for up to 24 months (in a dry, temperature-stable, dark environment)
Consumption:
Canvas +/- 0.40 ml/m²
Fabric +/- 0.40 ml/m²
Leather +/- 0.20 ml/m²
Ambient temperature: 5-30°C
Avoid direct sunlight
Notice
If the textile surface is coarse, then the spaces between the fibers will be too large to make it watertight. However, SIFX still protects the individual fibers from the penetration of water and dirt.

Spray bottle

How to Use SIFX, Our Canvas, Fabrics and Leather “Dirt Barrier”:

SIFX is an invisible, flexible layer that effectively bonds to canvas, fabric and leather surfaces. It is super-hydrophobic (repels water) and keeps dirt from penetrating into the treated surfaces.
How to use SIPR Si-Nano Protect and SIVI Si-Nano Vision:

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

**Consumption:**
Consumption: 2.5 ml/m² or 2 trigger sprays per 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.

**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/Vision layer provides. Our reactivating shampoo is environmentally friendly.

**WINDSHIELD ADDITIVE**
SIVI can also be used as a windshield washing fluid additive when diluted 2:100.
How to use SIPR Si-Nano Protect and SIVI Si-Nano Vision:

Product ID: SIMC0250 250 ml / SIMC1000 1 L / SIMC5000 5 L
Consumption: 2.5 ml/m² or 2 trigger sprays per m²
Used for: Glass / chrome / porcelain / vinyl / acrylic
Application field: Marine vessels and watercraft

Si-Multi Maintenance Cleaner renews molecular bonds and creates a hydrophobic nano layer while cleaning and disinfecting.

High-tech cleaning agents make maintenance quick and easy.

Anti-bacterial properties make surfaces more hygienic, and the effect lasts as long as the layer.

This cleaner has an outstanding hydrophobic effect with reduced adhesion of dirt, so the surface stays cleaner longer.

Can be used as a maintenance cleaner on all nano and non-nano coated surfaces.

Will last for approximately 1 month.
Scruber 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 vessels protected with a layer of NANO-CERAMIC coating that need maintenance due to water spots.

Scruber 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.
CLEAN

Steril Cleaner Pretreatment

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

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

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

Applicator:
40100703
Dries 80% faster with less water spotting, leaving a glossy shine behind.

**NWAS**

**Hydrophobic Gloss Shine - Nano Wash**

<table>
<thead>
<tr>
<th>Product ID</th>
<th>NWAS1000 1 L / NWAS5000 5 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption</td>
<td>+/- 4 ml/m² (100 ml = 5 L RTU = +/- 25m²)</td>
</tr>
<tr>
<td>Used for</td>
<td>Water spot protection</td>
</tr>
<tr>
<td>Application field</td>
<td>For manual or automatic systems</td>
</tr>
</tbody>
</table>

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

- Can be used for hand-washing or in automatic car washes and is suitable for coated and uncoated vessels.
- 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 >150º
- Dilute 1:50. Hydrophobic effect lasts up to 4 weeks.

Easy to apply by just washing

Super hydrophobic >150º

Anti-water spot

Easy to clean

Stays cleaner for longer

Applicator: 40100703
Dries 80% faster with less water spotting, leaving a glossy shine behind.

**NANO-CERAMIC®**

THE NEW GENERATION COATINGS

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Scrub cleaner is the safe way to remove stubborn contamination while keeping the ceramic layer intact.

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## SHRE

**Multi-Purpose**  
**Pure Shine Shampoo**

<table>
<thead>
<tr>
<th>Product ID</th>
<th>SHRE1000  1 L / SHRE5000  5 L / SHRE020L 20 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption</td>
<td>+/- 20 ml : 10 L water (0.05 ml/m²)</td>
</tr>
<tr>
<td>Used for</td>
<td>Manual washing, interior &amp; exterior</td>
</tr>
<tr>
<td>Application field</td>
<td>Coated and uncoated vessels</td>
</tr>
</tbody>
</table>

SHRE reactivating shampoo is a high-tech shampoo that is specially designed for today’s high-performance marine washing.

This shampoo is free from polymers, waxes, and coloring chemicals that can severely degrade the hydrophobic effect that a nano layer provides:

- Pure gloss
- Reactivates nano layers
- Safe to use for exterior and interior cleaning
- Dilute 1:500

**Easy to apply**

**Hydrophobic**  
**Water & oil repellent**

**Anti-water spot**  
**Easy to clean**

**Stays cleaner for longer**

**Applicator:**

40100703
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, and Buff Off

Anti-bacterial

Pleasant scent

Anti-odor

Applicator:

40100703
Material Safety Data Sheets

MSDS Si1C.pdf  MSDS Si1F.pdf  MSDS Si1O1.pdf  MSDS Si102.pdf  MSDS Si103.pdf  MSDS Si105.pdf

Corrosion Tests

Test
Uncoated

Test
Coated

Testing Certificates
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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