Marine Coatings

Permanent Anti Corrosion Hydrophobic UV-Resistant
What is Nano-Ceramic®?

**NANO-CERAMIC®** is a revolutionary ultra hard and longlasting surface coating wearing ceramic in the world, that provides superior scratch resistance, and permanent protection for all factory yacht paints and for all in marine used materials like fiberglass stainless steel, glass and carbon. The coating bonds molecular and permanent onto the surface.

**NANO-CERAMIC®** is flexibel and can handle expansion and deformation such as the flexing of a fiberglass hull, the coating won't crack, and can't be peeled off.

**NANO-CERAMIC®** is a permanent super gloss, and will give the surface a longlasting showroom condition, no need for waxes or other cleaning agents.

**NANO-CERAMIC®** is completely resistant to acidic environmental substances, as bird droppings, and to oxidation, by salty water, this unlike your factory marine 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, and other harmful substances, and the clean and original surface is maintained.

Aluminum dissolve away in salt water in the presence of other metals.
What are the benefits of applying NANO-CERAMIC®?

NANO-CERAMIC® will provide the surface with a superior clear coat film that once cured has a permanent hydrophobic surface that is much easier to clean, and stays cleaner for longer. Resulting in less maintenance, less maintenance cost, and in a higher resale value over time, and most important a beautiful luxury gloss.

How it works?

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

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

Step 3 Thickness gel coating will be restored with a superior NANO-CERAMIC® layer.

Tip! Install it direct upon delivery of a new Vessel. This is by far the best and most economical option.
Leading in Durability

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI11 OCEAN Permanent</td>
<td>2-Component MG</td>
</tr>
<tr>
<td></td>
<td>40% durable/harder</td>
</tr>
<tr>
<td></td>
<td>Spray on !! (hydrophobic)</td>
</tr>
<tr>
<td>SI10 OCEAN Permanent</td>
<td>H9++</td>
</tr>
<tr>
<td></td>
<td>30% durable/harder</td>
</tr>
<tr>
<td></td>
<td>than SI07 (non hydrophobic)</td>
</tr>
<tr>
<td>SI12 OCEAN Diamond</td>
<td>H9+</td>
</tr>
<tr>
<td></td>
<td>20% more durable/harder</td>
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<tr>
<td></td>
<td>than SI07</td>
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<tr>
<td>SI07 OCEAN Economic</td>
<td>H9</td>
</tr>
<tr>
<td></td>
<td>10% more durable/harder</td>
</tr>
<tr>
<td></td>
<td>than the average competitor</td>
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</tbody>
</table>

What is material nano science?

Wear Coefficient or expected lifetime, $K$

$$K = \frac{\text{(wear volume)} \times \text{(hardness)}}{\text{(normal load)} \times \text{(sliding distance)}}$$

Easy Order Entrance

Trying is the best way to convince yourself.

You can order directly from us through our automatic order entry system

www.store.nano.ceramic-com

Upon receipt of order we will issue a Invoice, and once payment is received we will ship the order by courier of your choice.
The Perfect Scenario Small-Medium Size

- **OPTIONAL**
  - SIO6
    - Glass / Acrylic
    - Windows

- **RECOMMENDED**
  - SI10
    - OCEAN Basecoat
    - Permanent Protection

- **OPTIONAL**
  - SI09
    - Interior Sealer
    - Fabrics & Leather

- **OPTIONAL**
  - SI07
    - OCEAN Wet Look
    - 3 Year protection
    - Topcoat
      - Hydrophobic
      - Anti Scratch

- **RECOMMENDED**
  - SI12
    - OCEAN Diamond
    - 5 Year protection
    - Topcoat
      - Hydrophobic
      - Anti Scratch

- Shampoo Nano
  - Re-activating
The Perfect Scenario Large Size

OPTIONAL

SIO6
Glass / Acrylic
Windows

SI11
OCEAN
Spray on 2-Component
10 Year to 15 Year+
Permanent Protection

OPTIONAL

SIO9
Interior Sealer
Fabrics & Leather

Shampoo Nano
Re-activating

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
The benefits at a glance!

- Two simple steps Clean- and Apply
- Permanent protection from the surface underneath.
- Anti Scratch our layers are 4 times harder as factory paint.
- UV Ray Protection
- This coating has an outstanding hydrophobic effect, and the surface stays cleaner for longer.
- After the coating has been applied the surface is much easier and quicker to clean and the adhesion of dirt is reduced drastically.
- Improves aerodynamics, prevent icing algae growth.
- Due to a much smoother surface of the hull under water line the vessel safes on fuel consumption.
- Cleaning intervals and maintenance costs will be greatly reduced.
- Retention of paint work, and all surfaces treated resulting in a higher resale value over time.
Where to use our coatings?

IATA Packaging on request

Our High End Ceramic Coating Range

Ceramic Basecoating
H9+ Permanent
100ml/0.32oz 1L/32oz
Si100100  Si10100
Consumption 2ml/m² 0.06oz/m²
Paint Fiberglass
Stainless Steel

Ceramic Coating H9
Hydrophobic
100ml/0.32oz 1L/32oz
Si070100  Si07100
Consumption 2ml/m² 0.06oz/m²
Paint Fiberglass
Stainless Steel
Wood-Varnished

Ceramic Coating H2
hydrophobic
100ml/0.32oz 1L/32oz
Si060100  Si06100
Consumption 2ml/m² 0.06oz/m²
Glass Acrylic
Porcelain-Ceramic

Ceramic Coating H9+
Hydrophobic
100ml/0.32oz 1L/32oz
Si120100  Si121000
Consumption 2ml/m² 0.06oz/m²
Paint Fiberglass
Stainless Steel
Our Regular Maintenance Products

**Shampoo Nano**
Re-active Pure Shine
1L/32oz 5L/160oz
SHRE1000  SHRE 5000
Dilution ratio 2/100
All Surfaces

**Si-Nano Protect®**
Renew Gloss & Hydrophobic
250ml/8.5oz 1L/32oz
SIPR0250  SIPR1000
Consumption 2ml/m²  0.06oz/m²
Aluminium Paint Glass

**Si-Nano Vision®**
Renew Hydrophobic
250ml/8.5oz 1L/32oz
SIVI0250  SIVI1000
Consumption 2ml/m²  0.06oz/m²
Aluminium Paint

**Si-Multi Cleaner®**
Hydrophobic Disinfectant
250ml/8.5oz 1L/32oz
SIMC0250  SIMC1000
Consumption 2ml/m²  0.06oz/m²
All Surfaces

**Steril Cleaner**
100ml/0.32oz 250ml, 8.5oz
500ml/16oz 1L/32oz
CLEAN 100/250/500/1000
Consumption 2ml/m²  0.06oz/m²
Aluminium Paint Glass

**Interior Protector**
Hydrophobic
1L/32oz 1L/32oz
SHRE0250  SHRE1000
Consumption 100ml/2.5m² 3.2oz/2.5m²
Fabrics & Leather Canvas

**Wood Coating H2**
hydrophobic
100ml/0.32oz 1L/32oz
SI060100
Consumption 4ml/m²  0.14oz/m²
Wood-unvarnished

Our Regular Maintenance Products

**Instruction and training on location**

The proper composition and application of our coatings according to their specifications is critical to ensure they meet requirements of their intended purpose. Upon request we arrange training sessions on location and give instruction about how to use our coatings, or we arrange via our global installer network to apply it for you.
Two simple steps clean and apply.

Processing ... hour depends on size

- **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 hour in ambients temperature
How to use our High End Ceramic Coatings SI07 SI10 SI12 on Painted, Fiberglass, Stainless Steel and Wood-Varnished surfaces:

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

Consumption:
Glass: appr. 2ml/m² Steel 2ml/m² Wood 4ml/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 Nitril gloves to make sure your hands are protected from any possible damage to your skin.

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

CLEANING
Make clean the surfaces thoroughly until the complete surface is absolutely clean. If necessary use our Shampoo and Scrub Cleaner and use our Steril Pre-treatment Cleaner as a last step to make sure that all Scrub cleaner residue or all contamination is removed so that the coating can bound properly onto a clean surface. Make sure that the surface is completely dry before application!

APPLICATION SI10 BASECOAT PERMANENT
Shake bottle before use !! We recommend to apply the surface of the object in easy to handle segments of about 50x50cm. Put 5-6 drops SIBC on the mini towel 15x15cm using the applicator block underneath, divide the coating properly by going only 3 times over the same surface, you need to see that it is then still a little wet. Wait +/- 15 seconds till the little wet surface lights up towards grey, then take the remaining residue of and buff it carefully, using two separate micro towels for this. Wait 2 hours before you continue with the application of the SI07 or SI12.
After 2 hours SIBC is 80% cured, and ready to receive SI07 or SI12. After 11 days its full hardened out and is almost on removable.
APPLICATION SIO7 OR SI12

Shake the bottle before use!! We recommend to apply the surface of the object in easy to handle segments of about 50x50cm.

Put 3-4 drops/m² of SIO7/SI12 on the mini towel (15x15 cm) using the applicator block underneath. Start dividing it from out of the middle of the surface, and keep spreading it around with light pressure in criss-cross motions until the product is evenly distributed,

MOST IMPORTANT keep on doing this till no product residue is visible and no hazing is there. If you use to much coating and-or spreading it out from example one start position in a corner of a panel then you will not be able to devide it properly and it will roll up on eachother and form a not equal layer.

To use to much coating and not divide it equally is the second most critical point!!

Actually when you apply in this correct way then there is no need to use a micro towel for polishing anymore, but if you still prefer to buff it, then buff it very gently and make sure that you use clean towels which are free from any contamination.

SIO7 is a superb protection for aluminium, stainless steel, and paintwork the invisible layer makes the surfaces anti scratch, anti-fingerprint and easy to clean.

ANTICRATCH AND EASY TO CLEAN.

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Shake the bottles very well before use!

Take a soft cotton pad and pour a few drops of the coating on it (start with small amounts, there is only very little product needed).

Moisten all the Glass -or Acrylic panels evenly with firm pressure on the pad.

When applied correctly you can now see a light grey veil on the surfaces. Polish away the grey veils after all solvents are vaporized, use a clean (microfiber) cloth, don't use a lot of power to take them away.

CURING TIME

Directly after polishing the coating is dry and resistant against touching. At normal ambient temperature the coatings are completely cured after approximately 12 hours.
How to use our Wood-Unvarnished Coating SIO8:

Preserve Varnish

Super Hydrophobic

Self cleaning cleaner for longer

SIO7 is also bonding onto wood varnished or laquered surfaces, it makes a extra layer on top that preserves the varnish coating, its hydrophobic effect makes the surface self cleaning so that environmental contamination will get less change to penetrate into the varnish coating and it will stays cleaner for longer, and prolong the maintenance of these varnished surfaces extremely. SIO8 is for wood what is unlacked/unvarnished, like teakdeck.

**The soft vanish coats can be made hard, UV resistant and hydrophobic, and teakdecks protected.**

**SIO7** is also bonding onto wood varnished or laquered surfaces, it makes a extra layer on top that preserves the varnish coating, its hydrophobic effect makes the surface self cleaning so that environmental contamination will get less change to penetrate into the varnish coating and it will stays cleaner for longer, and prolong the maintenance of these varnished surfaces extremely. SIO8 is for wood what is unlacked/unvarnished, like teakdeck.

### How to use our Wood-Unvarnished Coating SIO8:

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

**Consumption:**
Wood: appr. 4ml/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 Nitril gloves to make sure your hands are protected from any possible damage to your skin.

Shake the bottles very well before use!

Take a soft cotton pad and pour a few drops on it
Moisten the surface panels evenly with firm pressure on the pad.

When applied correctly you can now see a light grey veil on the surfaces.
Polish away the grey veils after all solvents are vaporized, use a clean (microfiber) cloth, don't use a lot of power to take them away..

**Curing Time**

Directly after polishing the coating is dry and resistant against touching.
At normal ambient temperature the coatings are completely cured after approximately 12 hours.
Also for large hull surfaces we have the right sprayable solution.

**SI11**

**Transparent 2 - Component**

**Metall / Paint / Fiberglass**

**Permanent coating system**

**Article Nr:** : SI11000 1KG / 2.205 lbs
**Consumption:** : +/- 50gr-70gr/m² 1.8/2.5 oz/m²
**Used for:** : metall, paint, fiberglass
**Application area:** : marine, boat, yacht

SI11 is a permanent 2-component surface coating system which bonds molecular and permanently onto painted and unpainted surfaces resulting in permanent protection from the surface underneath.

Two simple steps Clean-Dry and Apply

- Water and dirt get no change to penetrate, and is easy to remove.
- This coating has an outstanding hydrophobic effect.
- On walls or tunnels cleaning intervals, or restoration wil be greatly reduced. (anti-corrosion, anti-pollution)
- Resistent against all kind of chemicals and UV radiation
- Superior anti pollution and anti corrosion coating

Will last permanent for at least 10-15 year+

 spreayable
permanent protection
anti corrosion
super hydrophobic
anti pollution
anti algae
UV protection
self cleaning cleaner for longer

**Prepare and Clean**
- Shampoo 1 Litre

**How to use:** See page 14
HOW TO USE:
NANO-CERAMIC® SI11 2 - Component Transparent Sprayable

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

**Consumption:**
Stone: appr. 50ml/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 Nitril gloves to make sure your hands are protected from any possible damage to your skin. It’s absolutely necessary to wear a full face chemical respirator mask and safety suit.

**Applicators:**

**Application information**

The SI11 system can be applied on mineral surfaces (absorbing and non-absorbing) such as bricks, sand stone, concrete, terracotta, stone etc. The SI11 system is 100% transparent and breathable. The surface will be cleaner for longer, and the cleaning itself becomes less time and less expensive as special cleaning agents are unnecessary.

Make clean the surfaces thoroughly until the complete surface 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 sealant can bond properly onto a clean surface. Make sure that the surface is completely dry before application! The surface may not become wet during application!

**This is a 2-Component Nano Coating System**

Mix bottle SI11 A with bottle SI11 B by pouring the bottle SI11 B bottle into the A 1L bottle, or measure by net weight in the ratio 3:1 and mix it very well. Carefully pour the mixed content into paint sprayer, spray in thin layers till the surface reach a thickness of appr. 80 - 200µm / 0.1-0.2mm / 0.004-0.008" after drying.

Depending on the face, material and structure, different application techniques can be used: Paint Roller, Paint Brush, or just Whiping the surface with a cotton cloth pad.

Let the surface dry for 24 hours. (85% is cured after 24 hours, and the remaining 15% will be fully cured after 7 days). Be aware that mixed content can not be stored longer then 3 hours. The surface can simply be maintained with a High Pressure washer at 80-120 bar using our biologically degradable Reactivating Shampoo.

**Tool cleaning**

The individual components as well as the mixed system can be diluted with our Steril Cleaner.

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**Safety Paint Suit**
**Chemical Full Face Respirator Mask**
**Nitrile gloves**
**Cat sprayer** 0.04 - 0.07" nozzle 1.00 - 1.50 mm nozzle
Si-Multi Maintenance Cleaner
Hydrophobic Disinfectant

Article Nr: SIMC0250  SIMC1000
Consumption: +/- 2ml/m²  0,06oz/m²
Used for: glass / chrome / porcelain / vinyl / acrylic
Application field: marine, boat, yacht

Si-Multi Maintenance Cleaner bonds while cleaning, molecular and permanent a disinfectant hydrophobic nano layer onto the surface.

• The surface is much easier and quicker to clean as the product contains a high tech cleaning agent.
• Bacteria get less chance to survive, and the hygiene goes to a higher level. As the bacterial disinfectant remains active as long as the layer is there.
• This cleaner has an outstanding hydrophobic effect, adhesion of dirt will be reduced drastically, and the surface stays cleaner for longer.
• Can be used as maintenance cleaner on all nano and non-nano coated surfaces.

Will last for circa 3 months

Clean and place a protective hydrophobic layer in the same time.
How to use our Si-Multi Maintenance Cleaner

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

Consumption:
+/- 2 ml /M2
Processing temperature:
5-30°C - Avoid direct sunlight

IMPORTANT:
Before you use a NANO-CERAMIC® product please make sure you wear suitable protection gear we always recommend to use Latex or Nitril gloves to make sure your hands are protected from any possible damage to your skin.

EASY APPLICATION CLEAN-WHIPE-BUFF OFF
Shake the bottles very well before use! Spray 2-3 times on a clean microtowel (start with small amounts, there is only little product necessary). Moisten all the panels evenly. When applied correctly you can now see a light grey veil on the surfaces. Polish away the grey veils using a clean (microfiber) cloth.

CURING TIME
Directly after polishing away the grey veils, the layer can be touched. At normal ambient temperature the sealant is completely cured after approximately 10 minutes.

Applicators:
40100703
Spray master

Super economical
Cuts cleaning time by 90%

2ml / m²

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How to use our Canvas, Fabrics and Leather Sealant SIO9:

CLEANING
Make clean the surfaces thoroughly until the complete surface is absolutely clean. If necessary use our Reactivating Pure Shine Shampoo. Make sure that all contamination is removed so that the sealant can bond properly onto a clean surface. Make sure that the surface is completely dry before application!

APPLICATION
Shake the bottles very well before use! and 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 to use our re-activating shampoo, it reactivated the nano layer and cleans at the same time, without leaving a film of polymers or colouring chemicals behind as we

IMPORTANT:
Before you use a NANO-CERAMIC® product please make sure you wear suitable protection gear we always recommend to use Latex or Nitril gloves to make sure your hands are protected from any possible damage to your skin.

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

Consumption:
Fabric +/- 65ml/m²
Leather +/-40ml/m²
Processing temperature: 5-30°C - Avoid direct sunlight

Applicators:

Paint sprayer
Spray master
Testing Certificates

Permanent Coating System (PCS) EN1504-2
Material Safety Data Sheets

Corrosion Tests

Uncoated

Coated
Do you know?
That our coatings are made of pure silica sand which is the most common element on earth?

Asian Region (Head office)
PT Nano Ceramic Indonesia,
The Central 88, Kemayoran,
(The Linq) Jl. Trembesi Blok D3 N0. 369
Pademangan, Jakarta, Utara
Indonesia 14410