What is NANO-CERAMIC Thin Film Coating?

NANO-CERAMIC Thin Film Coating is a revolutionary, ultra-durable thin film ceramic clear-coating that provides superior scratchresistance and semi-permanent protection for all exterior and interior yacht surfaces.

What makes NANO-CERAMIC Thin Film Coating so different?

NANO-CERAMIC Thin Film Coating 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 gelcoats or paints.

Conventional paints like acrylic urethane are simply not strong enough.

NANO-CERAMIC Thin Film Coating is completely resistant to acidic environmental substances like bird droppings, bug residue, acid rain, and tree sap, unlike your yachts factory paint, which can be permanently etched and damaged by these substances. NANO-CERAMIC provides advanced protective barriers to your yacht body and hull surfaces, maintaining both high-gloss and matte finishes.
What are the benefits of applying NANO-CERAMIC Thin Film Coating?

NANO-CERAMIC Thin Film Coating provides yachts with a superior, near-permanent, clear coating that is resistant to chemical etching, harder than factory paint finishes, and able to greatly reduce swirl marks and fine scratches while leaving a superior, hydrophobic surface that is easier to clean and stays cleaner longer.

Clearcoat, Glass hull and body materials can be treated with one of our CERAMIC Thin Film Coatings. Restore the color and shine with advanced hydrophobic and UV protection. Even chrome, aluminum, and other metals can have added protection, as our coatings can withstand temperatures of over 850°C.

Step 1: The surface layer of factory gelcoat or paint is damaged and contaminated.

Step 2: Decontamination and polishing the gelcoat to produce a smooth and even surface.

Step 3: Restoration of coating thickness with a super-durable layer of NANO-CERAMIC Thin Film Coating.
Every surface can always be like new ...
**SI03 MAX GLOSS**

**Body & Windshield Protection**
Gelcoat / Glass / Chrome

<table>
<thead>
<tr>
<th>Product ID</th>
<th>: SIO3150-MAX-GLOSS  3x1.7oz 10 Micron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption</td>
<td>: +/- 2 ml/m²</td>
</tr>
<tr>
<td>Reachable area</td>
<td>: +/- 25m² Body + 25m² Windshields</td>
</tr>
<tr>
<td>Used for</td>
<td>: Gelcoat, acrylic, glass, chrome, stainless</td>
</tr>
<tr>
<td>Application field</td>
<td>: Marine</td>
</tr>
</tbody>
</table>

Your yacht will stand out! These Kit-Sets contain all to make your yacht protected with a High-Tech ceramic layer.

- Two simple steps: Clean with our Steril Cleaner and Apply
- The original surface is protected against corrosion.
- Makes the surface anti scratch, much easier and quicker to clean, and the adhesion of dirt is reduced drastically.
- Promotes more hygienic surfaces.

This coating has an outstanding hydrophobic effect, and the surface stays cleaner longer. Cleaning intervals as well as the formation of water spots will be greatly reduced.

Lasts for 5 Years+ (2 Years on Glass)

How to use: Page 20

Easy to apply
Cut cleaning costs
Anti-water spot
Anti-corrosion
Super hydrophobic
Self-cleaning stays cleaner longer
Anti-scratch
Visibility safety
Protects your investment

Applicator:

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
SIO5 MAX MATTE

Body & Windshield Protection
Gelcoat / Glass / Chrome

Product ID : SIO5150-MAX-MATTE 3x1.7oz 5 Micron
Consumption : +/- 2 ml/m²
Reachable area : +/- 25m² Body + 25m² Windshields
Used for : Clearcoat, acrylic, glass, chrome, stainless
Application field : Marine

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- The original surface is protected against corrosion.
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How to use:  Page 20

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Cut cleaning costs
Anti-water spot
Anti-corrosion
Super hydrophobic
Self-cleaning stays cleaner longer
Anti-scratch
Visibility safety
Protects your investment

Applicator:

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

One Step Polish
High gloss/Zero swirl

Product ID : STEP0250 250ml
Consumption : 5ml/m²
Used for : Clearcoat, gelcoat, glass and acrylic
Application field : Marine

Only this High Quality Polish Compound together with the recommended pads assure that every yacht can be polished from deep scratches till high gloss/zero swirl in one single step.

This saves an enormous amount on working hours as polishing takes normally 65% of the total process to make a yacht a thin film nano layer.

Purple Wool Heavy Cutting Pad cuts like natural sheepskin but finishes like a polish pad. Aggressively removes P1500 grit scratches, leaving a lustrous finish with no hazing by reducing compounding swirls.

The Cutting Pad is constructed with a blue foam and white microfiber. The Micro Cutting Pad with orange foam and white microfiber, the Polishing Pad is constructed with a black foam and black microfiber.

The pad serie is available 5.5 inch and 3 inch.
CLean
Steril Cleaner
Hard Surfaces

Product ID: CLEAN0500 500ml / CLEAN5000 5L
CLEAN020L 20L
Consumption: +/- 3.3 ml/m²
Used for: Clearcoat, gelcoat, glass, chrome, mirrors
Application field: Marine

100% Steril with nano interlock technology (active lifting encapsulate the grease from the surface)

- Surface cleaning and residue removal.
- Cleaning gloves, notebooks, phones or any other item entering the cleanroom.
- Wipe down for pass-through to controlled environments.
- Pretreatment for the application of thin film coating

100% Steril
SIRP
Repellent Protector
Glass / Ceramics / Mirrors

Product ID: SIRP0500 500ml  SIRP5000 5L
SIRP020L  20L
Consumption: +/- 2 ml/m²
Used for: Glass, acrylic, chrome, vinyl
Application field: Shower places.

SIRP is an ultra long-lasting invisible surface coating which forms semi-permanent molecular bonds with the surface. The main function of treating hard surfaces with SIRP is to seal tiny pores, making it a smoother surface that will repel water and contaminants. This product is indispensable for bathrooms

- Two simple steps: Clean with our Steril Cleaner and Apply
- Makes the surface much easier and quicker to clean, and the adhesion of dirt is reduced drastically.
- Promotes more hygienic surfaces
- This coating has an outstanding hydrophobic effect, and the surface stays cleaner longer. Cleaning intervals as well as the formation of water spots will be greatly reduced.

Will last 12 washes

How to use: Page 20

Easy to apply
Indoor Outdoor
Cut cleaning costs
Anti-water spot
Super hydrophobic
Self-cleaning Stays cleaner longer
Visibility Safety

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
Pure Shine Shampoo
All Exterior / Interior Surfaces

Product ID: SHRE1000 1L / SHRE5000 5L
SHRE020L 20L
Consumption: 20 ml : 10 Liter Water
Used for: Cleaning all exterior / interior surfaces
Application field: Marine

Reactivating Pure Shine Shampoo is an advanced technology, multi-purpose foaming cleaner containing a rinsing aid that will leave hard surfaces nearly dry after rinsing with clean water.

To assure the "easy-to-clean" effect that our nano layers provide, surfaces should be free of dyes, waxes or polymer sealants.

This multi-purpose cleaner contains no polymers or colors and will not leave a film of chemicals behind on the surface.

100% Safe to use for cleaning all non-porous surfaces and meets food grade classification for kitchens.

Contains no colouring chemicals which can discolor surfaces.

Dilution ratio 1: 500 (super economical)
WSRE

Water Spot / Soap Remover
Hard Surfaces

Product ID: WSRE0500 500 ml / WSRE5000 5L
WSRE020L 20L

Consumption: +/- 2 ml/m²

Used for: Hard surfaces

Application field: Marine

This fully biodegradable stain remover is made with a superior synergistic blend of environmentally friendly acids to boost cleaning performance and potential cost-savings. WSRE is ideal for removing mineral deposits from glass, steel, porcelain, and many other materials.

- WSRE is anti-corrosion and safe to use on all hard surfaces.
- WSRE prevents the deposition of soap residue and can be used to dissolve limescale formed by hard water.
- GHS label: NO health hazard label or acute toxicity
- Readily biodegradable (OECD)

Safe to use

Application:
Wet the surface, and wait 1 minute so that the calcium and magnesium can dissolve. Wipe away any residue and, if necessary, use our Scrub Cleaner to clean it more deeply.
Scrub Pretreatment Cleaner is a smooth rubbing compound, suitable for scrubbing glass, steel, porcelain and many other materials without scratching the surface.

If you need more scouring power, then please use our specially designed scrub pad.

Leaves no scratches behind after treatment.
MPCL

Multi Purpose Cleaner
All Interior Surfaces

Product ID: MPCL0500 500 ml / MPCL5000 5L
             MPCL020L 20L
Consumption: +/- 2.5 ml/m²
Used for: Cleaning all interior surfaces
Application field: Marine

The All-Purpose Cleaner is a fast, all-surface interior cleaner, low foaming, odor free, and especially suitable for removing stubborn stains from carpets, fabrics, vinyl, plastics and leather safely.

• It is very easy to clean dirt.
• Ready-to-use mixture with the right chemical strength and safe to use
• Of course it is safe for the surface of fabrics, carpets, plastics, leather, rubber and does not fade paint.
• Quickly remove dirt, dust and food scraps

Safe to use does not harm the surface
The Si-Gloss Sealer forms semi-permanent molecular bonds to protect hard surfaces.

- Brings dull and weathered surfaces back to life, leaving a clean satin-gloss finish
- This sealant has a hydrophobic effect, that makes it an ideal product for preventing drying rings on tables
- The bacterial disinfectant present in the hydrophobic nano layer
- Eliminates viruses and bacteria and reduces the chance of contamination, the disinfection process continues as long as the nano layer is present on the surface.

Renew every surface
**SIFP**

**Floor Protector**

**Nano Polish**

<table>
<thead>
<tr>
<th>Product ID</th>
<th>SIFP1000 1L / SIFP5000 5L / SIFP20L 20L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption</td>
<td>+/- 5ml/m² or ready to use 50ml/m²</td>
</tr>
<tr>
<td>Used for</td>
<td>Marble / granite / tile / wood flooring (teak)</td>
</tr>
<tr>
<td>Application field</td>
<td>Marine, exterior, interior</td>
</tr>
</tbody>
</table>

Floor Nano-Polish consists of the latest advanced material composition, making a flexible, yet harder and more durable floor protection than our competitors.

A simple 1:9 dilution with normal water allows an easy to apply polish time saving process that requires no additional water to be added.

Polish the floor until almost dry, then remove the residue.

Wait 10 minutes and finish buffing to a high gloss with a fine polish pad.

Protects 2 times longer than other solutions.
SI07

Protector
Stainless/Aluminum/Chrome

Product ID : SI07KIT 1oz
Consumption : +/- 2 ml/m² reachable area +/- 15m²
Used for : Stainless steel, aluminum, chrome, paint, varnish
Application field : Marine

SI07 is an ultra long-lasting invisible surface coating which forms semi-permanent molecular bonds with the surface.

- Two simple steps: Clean and Apply
- Fingerprints can easily be removed with a microfiber towel.
- Anti-bacterial properties boost hygiene level
- Surface has an outstanding hydrophobic effect, and stays cleaner longer.
- The coating has a hardness of H9 (anti-scratch)
- Protects against corrosion.

Lasts for 5 years+

How to use: Page 20

Indoor
Outdoor
Cut cleaning time
H9 hardness
Super hydrophobic
Anti-corrosion
Anti-fingerprint
Self-cleaning Cleaner longer

Aplikator:
SI08

Protector
Wood & Natural Stone

Product ID : SIO80500 500ml / SIO85000 5L
SIO8020L 20L
Consumption : +/- 40 ml/m²
Used for : Natural stone, lacquered wood
Application Field : Marine

The SI08 invisible sealant forms a durable bond that is breathable and flexible.

• Water and dirt are effectively repelled.
• Hygiene goes to a higher level.
• This coating has an outstanding hydrophobic effect, making surfaces stay cleaner and drier longer.
• Cleaning intervals on walls are longer, and the need for restoration will be greatly reduced.
• Natural stone and wood are protected against the penetration of pollution.

Lasts for 5 years

Easy to apply
Sprayable
Invisible
Indoor
Outdoor
Breathable & flexible
Super hydrophobic
Spills are easy to remove
Stays cleaner longer

How to use: halaman 20
SIFX

Protector
Fabric, Leather & Canvas

Product ID: SIFX0500 500ml / SIFX5000 5L
             SIFX020L 20L

Consumption: +/- 20ml/m² (leather) 40ml/m² (textile)

Used for: Fabric, leather, carpets and canvas

Application field: Marine

The SIFX invisible sealants form a durable bond that is breathable and flexible with textile fibers and leather surfaces.

- Water and dirt are effectively repelled, and spills are easier to remove.
- Hygiene goes to a higher level.
- This coating has an outstanding hydrophobic effect, making fabrics, leather, and carpets stay cleaner and drier longer.
- Cleaning intervals on carpets are longer, and the need for restoration will be greatly reduced.

Lasts 1-3 years (depending traffic)
HOW TO USE: NANO-CERAMIC SIRP, SIO7, SIO8, SIFX, SIO3-SIO5 MAX

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

**Ambient 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 from any possible damage to your skin. Use a mask for extra safety.

**CLEANING**
Clean the surface thoroughly with our Steril Cleaner until it is absolutely clean. If necessary, use our Scrub Cleaner or Reactivating Pure Shine Shampoo in advance. Make sure that all contamination is removed so that the glass coating can bind properly onto a clean surface. Make sure that the surface is completely dry before application!

**APPLICATION OF SIRP**
Spray a layer of nano SIRP on the surface and rub it in with a dry microtowel, keep rubbing it into the surface with strong pressure and wipe until all the product is even and scrubbed and only a little hazing / residue is visible. Gently wipe off this hazing / residue with a clean microfiber cloth after about a minute. There is only a little pressure needed to remove the hazing completely. Curing time 1 hour.

**APPLICATION OF SIO7**
Shake the bottle very well before use! Take a soft cotton pad and pour a few drops of the coating on it (start with small amounts, only a little product is needed). Moisten all the glass, steel, or wood surfaces evenly. Wait 2 minutes. When applied correctly, you can now see a light grey haze on the surface. Gently polish away the haze after all solvents are vaporized by using a clean (microfiber) cloth. Curing time 1 hour.

**The MAIN FUNCTION OF SIRP AND SIO7** is to seal the pores of hard surfaces and to prevent against stubb water spots and fingerprints.

**APPLICATION OF SIO8 AND SIFX**
Clean the surface thoroughly until it is absolutely clean. 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! Shake the bottle very well before use! Put it into a sprayer and spray until the surface is saturated, and let the surface dry for 24 hours.

**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.
APPLICATION OF SIO3-SIO5-MAX

Our coatings have best results on new on almost like new surfaces, we recommend to polish the surface if needed. Wear nitril gloves to clean the surface with our Steril Pretreatment Cleaner. (without wearing gloves, the oil from your hands may appear via the towel onto the surface)!!

Use more than one clean cloth to remove the dirt from the surface. (Please make sure you don't brush the dirt around on the surface by using dirty clothes.) Making the clear paint-gelcoat-chrome-glass-surface clean is the most important issue. If the surface is not super steril than you will experience chemical reactions between our coatings and the still available contamination what is then visible into the ceramic layer when it is cured. In that case you will need to polish the surface again. So please don't hurry in carrying out this preparation work, but instead focus on this for 100%.

Learn the right application technique > Watch and Study the Apply Video on the packaging (fragment BASE COATING)

Use nitril gloves! Remove the plastic inner closure from the bottle and put it in the dripper. Shake bottle before use! We recommend to apply the surface in easy to handle segments of about 40 x 40cm, following the panels shape and corner lines and use these lines for overlaps. Put 8-10 drops BASE COAT on the suede mini towel using the applicator block underneath, divide the coating properly by going 3 times over the same surface, wait till it lights up (+/- 25sec) and remove the residue carefully, and buff it lightly use a separate micro towel for this. Wait 2 hours before you continue with the application of one of our hydrophobic Top Coatings. After 2 hours BASE COAT is 80% cured and ready to receive one of our TOP COATINGS. After about 7 days the BASE COATING has been fully cured and is almost unremovable.

(fragment TOP COATING SIO3-SIO5-MAX)

Use nitril gloves! Remove the plastic inner closure from the bottle and put it in the dripper. Shake the bottle before use! We recommend to apply the surface in easy to handle segments following the panel shape and corner lines and use these lines for overlaps. Put 6-8 drops 40 x 40cm, (if start use more drops as the towel is otherwise too dry ) TOP COATING on the suede mini towel using the applicator block underneath. Start dividing it from out of the middle of the surface and keep spreading it arround by light pressure in criss-cross motions. until the product is evenly distributed. MOST IMPORTANT keep on doing this till no product residue is visible anymore. If you use too 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 divide it properly towards the other side and it will roll-up on each other and form a not equal layer. To use too much coating and not divide it equally is the second most critical point!! When you apply TOP COATING in this correct way, then there is no need to use a micro towel for polishing anymore.

(fragment SAFETY VISION)

Apply the nano layer SAFETY VISION COATING with the cotton apply pad. Spread 10-15 drops 50 x 60cm of SAFETY VISION COATING on the cotton pad and apply rubb it in motions on the windshield with firm pressure until all of the product is evenly distributed and only very little residue is visible. Remove the coating residue with a soft clean microfiber cloth after about a minute and buff the glass/panels gently to take the veils away. There is not much pressure necessary to remove it completely. Note: dry the dripper and close the bottles tightly if you want to save the content for future use. At normal ambient temperature the Nano layers are sufficiently cured after approximately 6 hours (or 2 hours Infrared) (avoid water contact).
What is NANO-CERAMIC Permanent Coating?

NANO-CERAMIC permanent coating is the latest generation of protective coating which transforms paint into a hard ceramic, providing superior scratch resistance and permanent protection for all exterior or interior surfaces.

NANO-CERAMIC permanent coating is 300°C resistant and more than 6 times stronger than traditional acrylic based paint finishes, and is effectively preventing damage that would otherwise affect the appearance and integrity of the original surface.

Low Maintenance for 3 decades to come!

Our NANO-CERAMIC permanent coating is rigorously tested by an independent testing laboratory according to the European standard for outdoor paints (EN 1504-2) please find the test report on our website.

Can NANO-CERAMIC Permanent Coating be applied on any surface?

The NANO-CERAMIC permanent coating can be applied directly or indirectly on all kinds of interior and/or exterior surfaces (absorbing and non-absorbing), such as concrete, steel, wood, acrylic, gypsum and many more.

Is NANO-CERAMIC Permanent Coating self-cleaning?

NANO-CERAMIC permanent coating provides a permanent hydrophobic surface that is self cleaning, easier to clean and stays cleaner longer as water and dirt can not penetrate the ceramic layer. NANO-CERAMIC permanent coating is resistant to water vapor and water absorption.
The climate is getting hotter by climate change.

Can NANO-CERAMIC Permanent Coating System cool down your Yacht??

NANO-CERAMIC revolutionary Coolest White Paint has superb reflective properties of about 80% of the sun rays.

Our Coolest White Paint shields your house by blocking sunlight (passive cooling by +/- 6°C), which effectively can reduce annual electricity cost and greenhouse gases.

Our high tech reflective Coolest White Paint cools down the heat which means less air-conditioning. NANO-CERAMIC Coolest White Paint has an extremely high TSR value (Total Solar Reflectance) of 80.

Other paints are simply not suitable for longterm harsh outdoor environments.

In order to avoid poorly maintained properties (concrete rot, chipped and weathered paint, etc) for the next decades, our Permanent Coating System is simply the best solution to keep the value of your investment in place.

Superior in Color & Gloss Retention
A special selection of high grade tinting chemicals computerized dispersed in a superior ceramic resin.

Conventional gelcoats are a mixture with Epoxy or Polyurethane resins, of which the quality of resin and pigments are the most important factor in the ultimate strength. Most have a lifespan of 15 years, with hardness, color and gloss retention (sun fading) and manual mixing towards consistent quality being the most common problems in keeping the desired object at an aesthetically pleasing level.

### Quality Comparison with traditional coating/paints.

In case written in bold font it means existing shortcomings in quality.

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Acrylic</th>
<th>Epoxi</th>
<th>Polyurethane</th>
<th>Ceramic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Adhesion Strength</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Excellent</td>
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<tr>
<td>Cross Cut Test</td>
<td>Poor</td>
<td>Good</td>
<td>Poor</td>
<td>Excellent</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>Poor</td>
<td>Good</td>
<td>Poor</td>
<td>Excellent</td>
</tr>
<tr>
<td>UV Radiation Resistance</td>
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<td>Poor</td>
<td>Good</td>
<td>Excellent</td>
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<td>Artificial Atmospheric Agents</td>
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<td>Good</td>
<td>Poor</td>
<td>Excellent</td>
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<tr>
<td>Colour Retention</td>
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<td>Average</td>
<td>Poor</td>
<td>Excellent</td>
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<td>Gloss Retention</td>
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<td>Poor</td>
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<td>Chemical Resistance</td>
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<td>Good</td>
<td>Poor</td>
<td>Excellent</td>
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<tr>
<td>Severe Chemical Attack</td>
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<td>Temperature Resistance</td>
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<tr>
<td>Thermal Shock Resistance</td>
<td>Good</td>
<td>Poor</td>
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<td>Excellent</td>
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<td>Carbon Dioxide Permeability</td>
<td>Poor</td>
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<td>Poor</td>
<td>Excellent</td>
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<td>Permeability water vapour</td>
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<td>Water Absorption Resistance</td>
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<td>Aging at 70°C</td>
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<td>Adhesion Strengt Pull-off</td>
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<td>Impact Resistance</td>
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<td>Anti-Graffiti</td>
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<td>Anti-Termite (Wood)</td>
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<tr>
<td>Hydrophobic Self Cleaning</td>
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<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Easy to Clean</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Total Solar Reflectance (TSR)</td>
<td>60 (white)</td>
<td>60 (white)</td>
<td>60 (white)</td>
<td>88 (white)</td>
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<td>Expected Lifetime inYears</td>
<td>&lt;7</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>30+</td>
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</table>

024

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
Ceramic Coating & Paint System

Zinc Rich Primer
(Steel/Aluminium Surfaces)
Primer should pass the ASTM D3359 adhesion test.

3K Paint White
8 Years+ Protection

[SI14] Antifouling

2K Transparant
30 Years+ Protection

[SI11] Topcoat

2K Medium White
30 Years+ Protection

[SI21] Topcoat

2K Transp Matte
30 Years+ Protection

[SI12] Topcoat

1K Paint White
20 Years+ Protection

[SI15] Interior

If you want to color a transparent topcoat in a custom color, the tinting machine automatically chooses between SI11 Transpar- ant or SI21 Medium White. This ensures the highest quality of the final mixture in combination with the most economical use of color pigments.
SI11 2-Component (2K)

**Transparent Protection**

topcoat gloss / colorable

<table>
<thead>
<tr>
<th>Product ID</th>
<th>SI111000 1L / 1.050 gr</th>
<th>SI112500 2.5L / 2.600 gr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness/Viscosity</td>
<td>H9/21</td>
<td></td>
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<tr>
<td>Thickness</td>
<td>200-100 micron</td>
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<tr>
<td>Reachable area</td>
<td>1.050 gr +/- 3-6m² 2.600 gr +/- 8-15m²</td>
<td></td>
</tr>
<tr>
<td>Used for</td>
<td>Fiberglass, steel, aluminium, plastics, wood</td>
<td></td>
</tr>
<tr>
<td>Application field</td>
<td>Marine, exteriors, interiors</td>
<td></td>
</tr>
</tbody>
</table>

SI11 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic.
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation.
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 300°C.

Will last permanently for up to 30 years+.

How to use: Page 31

If you want to color a transparent topcoat in a custom color, the tinting machine automatically chooses between SI11 Transparent or SI21 Medium White. This ensures the highest quality of the final mixture in combination with the most economical use of color pigments.

- Easy to apply
- Repaintable
- Cut maintenance costs
- Anti-water spot
- Anti-corrosion
- Permanent hydrophobic
- Self-cleaning stays cleaner longer
- Anti-scratch
- Visibility
- Protects your investment
SI12

2-Component (2K)

Transparent Matte Protection
topcoat matte

Product ID : SI121000  1L / 1.050 gr
Hardness/Viscosity : H9/ 21
Thickness : 200-100 micron
Reachable area : 1.050 gr +/- 3-6m²
Used for : Fiberglass, steel, aluminium, plastics, wood
Application field : Marine, exteriors, interiors

SI12 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

• Easily repels water, dirt, dust, and pollutants.
• This coating is permanent hydrophobic.
• Restores damaged finishes and reduces cleaning intervals.
• Resistant to all kinds of chemicals and UV radiation.
• Superior anti-pollution and anti-corrosion properties.
• This coating can withstand temperatures of 300°C.

Will last permanently for up to 30 years+.
SI21 2-Component (2K)

The Strongest White
topcoat gloss / colorable

Product ID : SI212500   2.5L / 5.000gr
Hardness/Viscosity : H8/21
Thickness : 200-150 micron
Reachable area : 5.000 gr +/- 18-27m²
Used for : Fiberglass, steel, aluminium, plastics, wood
Application field : Marine Exteriors

SI21 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.
• Easily repels water, dirt, dust, and pollutants.
• This coating does not absorb any water
• Resistant to all kinds of chemicals and UV radiation.
• This coating can withstand temperatures of 300°C

Will last permanently for 25 year+*
SI14 3-Component (3K)

The Smartest White antifouling colorable

Product ID : SI145000 5L / 5.200gr
Hardness/Viscosity : H6/23
Thickness : 200-150 micron
Reachable area : +/- 36-54m²
Used for : Fiberglass, steel, aluminium, plastics, wood
Application field : Marine Antifouling

SI14 is a revolutionary High-Tech Ceramic Antifouling Paint with a self-polishing amphiphilic biofilm that masks the boat hull surface to the marine organisms.

This world’s leading antifouling stores more and releases less non-biocidal agents, resulting in by far the longest maintenance interval of 8 year+ currently available.

How Biofilms form:

- Substrate developing film (seconds)
- Non-adhering bacteria
- Adhering bacteria
- Bacteria, diatoms, microalgae spores (hours-days)
- Macroalgae, larvae of invertebrate marine animals, other invertebrates (days-month)

- Save fuel
- Impact Resistance 1kg / 1m
- Thermal Shock-Resistant
- Super Sleek Surface Algae release <6 knots
- Self-cleaning stays cleaner longer
- Organic Cupper and Tin Non Biocidal
- Amphiphilic Invisible Hull Technology
- Easy to apply Repaintable
- Cut maintenance costs

How to use: Page 31
SI15 1-Component (1K)

The Coolest White
interior colorable

Product ID : SI152250  2.25L / 4.500gr
Hardness/Viscosity : H7
Thickness : 200-150 micron
Reachable area : 4.500gr +/- 16-24m²
Used for : Fiberglass, steel, aluminium, plastics, wood
Application field : Marine Interiors

SI15 is an incredibly strong 1-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.
• Easily repels water, dirt, dust, and pollutants.
• This coating has an outstanding hydrophobic effect.
• Resistant to all kinds of chemicals and UV radiation.
• This coating can withstand temperatures of 300°C

Will last permanently for up to 20 year+.
How to use our Permanent Coating System:

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

**Processing Temperature:**
Ambient temperature: 5-30°C
Avoid direct sunlight, Rain and /or high humidity.

**IMPORTANT:**
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend using a paint suit, respirator mask and latex or nitrile gloves.

**Application information**
The SI11/SI21/SI12/SI13/SI14/SI15 coatings 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**
Make sure the surface is free from any contamination and dirt. A zinc rich primer can be used in case of problems with the substrate.

**Warning** the surface must be completely dry before application and must stay dry for 6 hours after application after application!

**The 2-Component Permanent Coating System**
Mix the can SI11B-SI12B with the can of SI11A-SI12A by pouring can B into can A, or measure exactly by net weight in a ratio of 7:3 and mix very well. Mix the can of SI13B with the can of SI13A by pouring can B into can A, or measure exactly by net weight in a ratio of 9:1 and mix very well. Mix the can SI14B with the SI14A by pouring can B into can A, or measure exactly by net weight in a ratio of 9:2 and mix very well, add entire content of Part SI14C or measure exactly by net weight in a ratio of 9:1 and mix thoroughly with a power agitator. Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches a thickness of 0.1m / 0.2mm after drying. 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. It is touch-dry in 1 hours, after 4 hours, 85% cured, and the remaining 15% (transformation into ceramics) is 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 bar using our biologically degradable 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.

**Outfit/Applicators:**

- Paint Suit
- Nitrile gloves
- Professional Paint Sprayer 1.3-1.7mm / 0.05-0.06” nozzle
- Paint Roller (Microfiber)
- Respirator
- Paint Brush (acrylic)
3 High Tech Coatings and 2 Paints for all Jobs

Topcoat Transparent Protection
for glossy and matte surfaces
SI111000 (2K) / SI112000 (2K)
1L / 1.050 gr
Expected Lifetime:
30 Year+ (repaintable)

Topcoat Transparent Protection
for glossy surfaces
color through the color card
SI112500 (2K)
2.5L / 2.600 gr
Expected Lifetime:
30 Year+ (repaintable)

Topcoat The Strongest White
color through the color card
SI212500 (2K)
2.5L / 5.000 gr
Expected Lifetime:
25 Year+ (repaintable)

Antifouling The Smartest White
color through the color card
SI145000 (3K) White
5L / 5.200 gr
Expected Lifetime:
8 Year+ (repaintable)
Tint your desired color at our place

Gyromixer

Dispencer

Interior The Coolest White
color through the color card
SI151000 (1K) White
2.25L / 4.500 gr
Expected Lifetime:
20 Year+ (repaintable)
Maintenance Plan Thin Film Coating

**Step 1**
Washing

**Step 2**
Polishing

**Step 3**
Steril Cleaner

**Step 4**
Basecoat / SI11/12
Curing time: 2 hours after application

**Step 5**
Nano Layer
Hydrophobic
Topcoat

**Step 6**
Curing time: 6 hours in ambient temperature

Where to use our coatings:
Ceramic Paint Color and Gloss Retention
QUV Accelerated Testing (ASTM D4587)

Corrosion Tests

SGS (Tests)     MSDS     TEST (EN 1504-2)
The Leader in Durability

Did you know that our Permanent Coating System repels water and dirt and lasts 30 Years+?