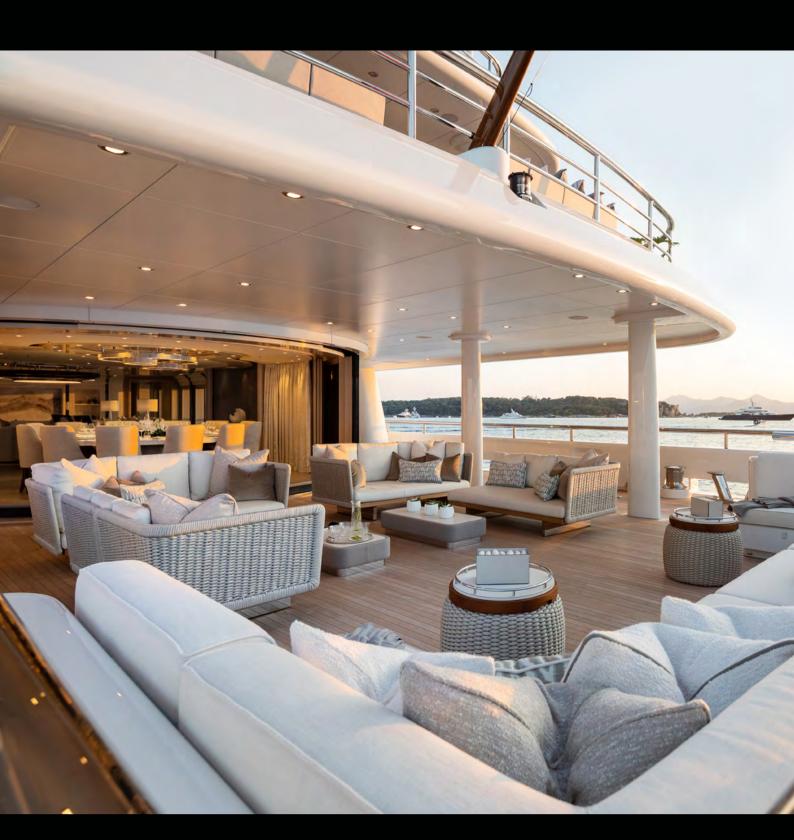
NANO-CERAMIC®

WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS



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, nearpermanent, 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 superdurable layer of NANO-CERAMIC Thin Film Coating.



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05

Thin Film Clean & Protect

04



One Step Polish **Max Gloss Max Matte** Steril Kit-Set Kit-Set Cleaner Scrub Basecoat Basecoat Cleaner Mineral Remover **Topcoat Topcoat** Pure Shine Shampoo Windshield Windshield Multi **5 Years+** Protection **5 Years+** Protection Cleaner Fabric Stainless Wood Gloss Ceramic Hard Leather Surface Stone Sealer Wax Steel Repellent Kanvas Repellent Renew Floor Alu Protector Protector Protector Protector Protector protect

Every surface can always be like new ...



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SIO3 MAX GLOSS

Hull & Windshield Protection

for gelcoat / glass / chrome

Product ID : SIO3150-MAX-GLOSS 3x1.7oz 10 Micron

Consumption : \pm /- 2 ml/m²

Reachable area : +/- 25m² Body + 25m² Windshields
Used for : Gelcoat, acrylic, glass, chrome, stainless

Application field: Marine

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 corrossion.
- 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-corrossion



Super hydrophobic



Self-cleaning stays cleaner longer



Anti-scratch



Visibility safety



Protects your investment

Applicator.



SIO5 MAX MATTE

Hull & Windshield Protection

for gelcoat / glass / chrome

Product ID : SIO5150-MAX-MATTE 3x1.7oz 5 Micron

Consumption : \pm /- 2 ml/m²

Reachable area : +/- 25m² Body + 25m² Windshields
Used for : Clearcoat, acrylic, glass, chrome, stainless

Application field: Marine

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 corrossion.
- 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.

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How to use: Page 20



Easy to apply



Cut cleaning costs



Anti-water spot Anti-corrossion



Super hydrophobic



Self-cleaning stays cleaner longer



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Visibility safety



Protects your investment

Applicator.



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STEP

One Step Polish for scratch removal

Product ID : STEP0250 250ml

: 5ml/m² Consumption

Used for : Clearcoat, gelcoat, glass and acrylic

Application field : Marine

Only this High Quality Polish Compoud 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.



SKU-40201008-5.5INCH SKU-40201408-3.0INCH





Cut polish costs



Zero swirl and hologram



CLEAN

Steril Cleaner

for hard surfaces

Product ID : CLEAN0500 500ml / CLEAN5000 5L

CLEAN020L 20L

: +/- 3.3 ml/m² Consumption

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



Easy to apply spray &wipe



Indoor Outdoor



Remove grease



100% Steril



No streaking

100% Steril



Applicator:

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SIRP

Repellent Protector

for glass / ceramics / mirrors

Product ID : SIRP0500 500ml SIRP5000 5L

SIRPO20L 20L

 $\textbf{Consumption} \qquad : +/- \ 2 \ ml/m^2$

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 last12 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

Applicator.



SHRE

Pure Shine Shampoo

for 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)



Easy to apply



Easy to clean



Stays cleaner longer



Food grade



Biodegradable

Applicator:



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WSRE

Mineral Remover

for 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.

- WRSE is anti-corrosion and safe to use on all hard surfaces.
- WRSE 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





Easy to Apply Spray and Clean



Safe for skin



Non-corrosive



Dissolves calcium and magnesium



Reduce spotting & filming

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

Scrub Cleaner

Product ID

for hard surfaces

: SCRUB0250 500 ml / SCRUB5000 5L

SCRUB020L 20L

Consumption : +/- 2.5 ml/m² **Used for** : Hard surfaces

Application field : Marine

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.

Non-scratching

Applicator:



Leaves no scratches behind after treatment

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014









Untreated

After treatment

Multi Purpose Cleaner

for interior Surfaces



MPCL020L 20L

: +/- 2.5 ml/m² Consumption

: Cleaning all interior surfaces **Used for**

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



Easy to apply spray & wipe



No discoloration



Indoor Outdoor



Quick to use



Spils are easy to remove



Cleaner for longer

Applicator.

Safe to use does not harm the surface



Gloss Sealer

for hard surfaces

Product ID :SIGS0500 500 ml / SIGS5000 5L

SIGS020L 20L

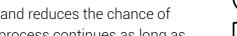
: +/- 2.5 ml/m² Consumption

Used for : Marble / granite / wood / plastics / metal

Application field : Marine

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





Easy to apply spray & wipe



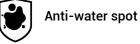
Indoor Outdoor



Hydrophobic: Water & oil repellent



Resists drying rings





Satin-gloss

Applicator:



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016



SIFP

Floor Protector

for hard flooring

Product ID : SIFP1000 1L / SIFP5000 5L / SIFP020L 20L Consumption : $+/- 5ml/m^2$ or ready to use $50ml/m^2$

Used for : Marble / granite / tile / wood flooring (teak)

: Marine, exterior, interior **Application field**

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.





Indoor Outdoor



Easy to apply



Hydrophobic: Water & oil repellent



Cut cleaning costs



Stays cleaner longer



Breathable & flexible



Superior hardness

Applicators:







Protects 2 times longer than other solutions.

SI07

Protector

for stainless / aluminum / chrome



Product ID : SIO70KIT 1oz

: +/- 2 ml/m² reachable area +/- 15m² Consumption

Used for : Stainless steel, aluminum, chrome, paint, varnish

Application field : Marine

SIO7 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.

How to use: Page 20



Indoor Outdoor



Cut cleaning time



hardness



Super hydrophobic



Anti-corrosion



Anti-fingerprint



Self-cleaning Cleaner longer

Lasts for 5 years+

Aplikator:





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S108

Protector

for natural wood / natural Stone



Product ID : SIO80500 500ml / SIO85000 5L

SI08020L 20L

Consumption : +/- 40 ml/m²

Used for : Natural stone, lacquered wood

Application Field : Marine

The SIO8 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 wallsare 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

How to use: halaman 20



Easy to apply clean & dry & spray



Sprayable



Invisible



Indoor Outdoor



Breathable & flexible



Super hydrophobic



Spills are easy to remove



Stays cleaner longer SIFX

Protector

for 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: halaman 20



Easy to apply clean & dry & spray



Sprayable



Transparent original colours remain



Indoor & outdoor use



Breathable & flexible



Hydrophobic reppel water & oil



Easy to clean



Cleaner for longer

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021

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.



Mask



Nitrile gloves



Applicators

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 haz e 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. Shake the bottles 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 SIBC**)

Use nitril gloves! Remove the plastic inner closure from the bottle and put 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, devide 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 SI03-SI05-MAX)

Use nitril gloves! Remove the plastic inner closure from the bottle and put 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 SIO2)

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).













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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 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 repport 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.

Can our hydrophobic coatings increase acceleration time and speed while simultaneously reducing fuel consumption?

Yes, the superhydrophobic surface has a good drag reduction effect, and the maximum drag reduction rate is up to 23.4%.

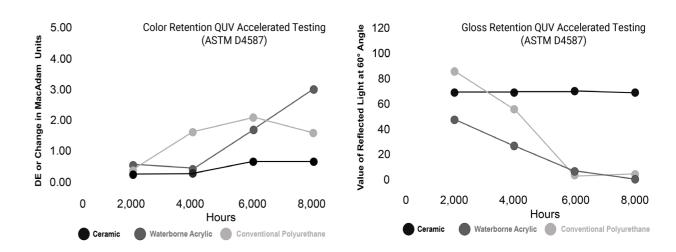
In a new analysis from IPTEK ITS 2023 concerning Drag Reduction, the following conclusions have been obtained. It was found that there was an increase in acceleration due to drag reduction on the ship model treated with a superhydrophobic coating, showing a 31% improvement compared to the non-coated surface and a 27% improvement compared to a conventionally anti-fouling coated surface.

As published in the International Journal of Marine Engineering Innovation and Research. Click <a href="https://example.com/here-forthe-left-shape-sha

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



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A special selection of high grade tinting chemicals computerized dispersed in a superior ceramic resin.

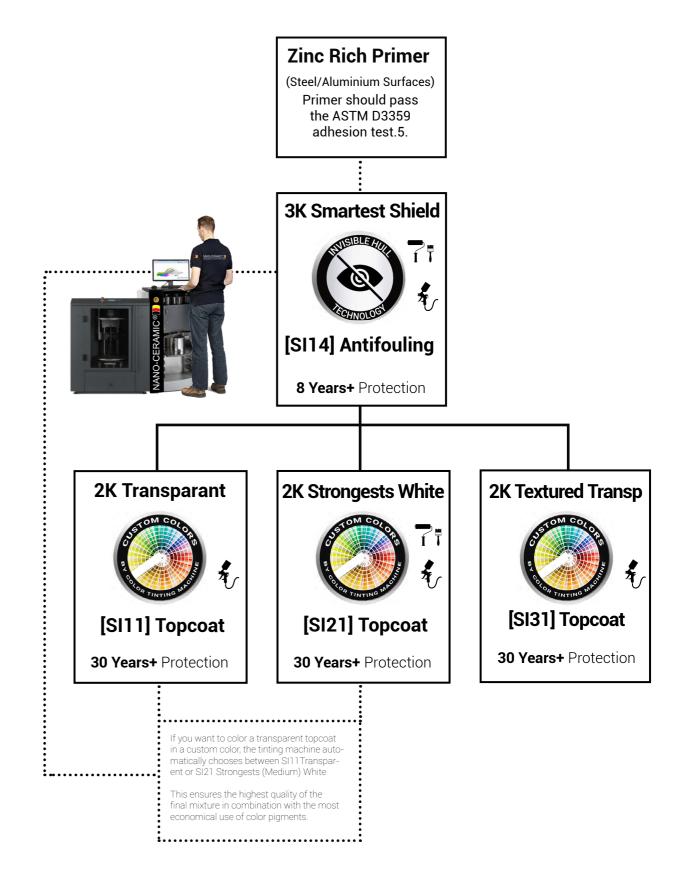
Conventional gelcoats are a mixture with Epoxy or Polyurethane resins, of which the quality of resin and pigments are the most important factor in the ultimate strength. Most have a lifespan of 15 years, with hardness, color and gloss retention (sun fading) and manual mixing towards consistent quality 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.

	Acrylic	Epoxi	Polyurethane	Ceramic
Characteristics	, ,	·	,	
Primer	Yes	Yes	Yes	No
Adhesion Strength	Poor	Poor	Poor	Excellent
Cross Cut Test	Poor	Good	Poor	Excellent
Abrasion Resistance	Poor	Good	Poor	Excellent
UV Radiation Resistance	Average	Poor	Good	Excellent
Artificial Atmospheric Agents	Poor	Good	Good	Excellent
Colour Retention	Average	Average	Poor	Excellent
Gloss Retention	Poor	Poor	Poor	Excellent
Chemical Resistance	Good	Good	Poor	Excellent
Severe Chemical Attack	Poor	Average	Poor	Excellent
Temperature Resistance	91°C	177°C	263°C	300°C
Thermal Shock Resistance	Good	Poor	Good	Excellent
Carbon Dioxide Permeability	Poor	Good	Poor	Excellent
Permeability water vapour	Average	Good	Average	Excellent
Water Absorption Resistance	1%	2%	3%	0%
Aging at 70°C	Poor	Good	Average	Excellent
Adhesion Strenght Pull-off	Average	Good	Poor	Excellent
Impact Resistance	Average	Good	Poor	Excellent
Anti-Graffiti	No	No	No	Yes
Anti-Termite (Wood)	No	No	No	Yes
Hydrophobic Self Cleaning	No	No	No	Yes
Easy to Clean	No	No	No	Yes
Total Solar Reflectance (TSR)	60 (white)	60 (white)	60 (white)	88 (white)
Expected Lifetime inYears	<7	<15	<15	30+

Ceramic Coating & Paint System



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S 1 1 1 2-Component (2K)

Topcoat Transparent

for glossy surfaces

Product ID : SI112000 2L / 1.900 gr

:3 layers $+/-270 \text{gr/m}^2 - 285 \text{ml/m}^2 75 \text{ micron} = 7 \text{m}^2$ Consumption $: 2 \text{ layers} +/- 180 \text{gr/m}^2 - 190 \text{ml/m}^2 50 \text{ micron} = 14 \text{m}^2$ Reachable area :1 layers +/- 90gr/m^2 - 95ml/m^2 25 micron = 21m^2

Hardness : H9

Used for : Fiberglass, steel, aluminium, plastics, wood

Application field : Marine, exteriors, interiors

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.

Expected life duration up to 30 years+



How to use: Page 31



Easy to apply Repaintable



Cut maintenance costs



Anti-water spot Anti-corrossion

Permanent



hydrophobic Self-cleaning



stays cleaner longer



Impact Resistance 1kg / 80cm



Protects your investment

Anti-scratch

SI12 2-Component (2K)

Topcoat Transparent

for matte surfaces

Product ID : SI122000 2L / 1.000 gr

:3 layers $+/-270 \text{gr/m}^2 - 285 \text{ml/m}^2 75 \text{ micron} = 7 \text{m}^2$ Consumption Reachable area : 2 layers $+/- 180 \text{gr/m}^2 - 190 \text{ml/m}^2 50 \text{ micron} = 14 \text{m}^2$:1 layers +/- 90gr/m^2 - 95ml/m^2 25 micron = 21m^2

Hardness :H9

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.

Expected life duration up to 30 years+



How to use: Page 31



Easy to apply Repaintable



Cut maintenance costs



Anti-water spot Anti-corrossion

Permanent



hydrophobic Self-cleaning



stays cleaner longer



Anti-scratch



Impact Resistance 1kg / 80cm



Protects your investment

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SI21 2-Component (2K)

Paint Strongest White

for glossy surfaces

Product ID : SI212000 2L / 2.400 gr

: 3 layers $+/-200 \text{gr/m}^2 - 165 \text{ml/m}^2 75 \text{ micron} = 12 \text{m}^2$ Consumption Reachable area : 2 layers $+/- 130 \text{gr/m}^2 - 110 \text{ml/m}^2 50 \text{ micron} = 16 \text{m}^2$:1 layers +/- 65gr/m^2 - 55ml/m^2 25 micron = 24m^2

Hardness : H9

Used for : Fiberglass, steel, aluminium, plastics, wood

Application field : Marine, exteriors, interiors

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

Expected life duration up to 25 years+



How to use: Page 31



Easy to apply Repaintable



Cut maintenance costs



Anti-water spot Anti-corrossion

Permanent

hydrophobic



Self-cleaning stays cleaner longer



Anti-scratch



Impact Resistance 1kg / 80cm



Protects your investment

SI14 3-Component (3K)

The Smartest Antifouling

black/red/blue/grey/transparent

Product ID : SI144000-BK SI144000-RD 4L / 4.300gr

SI144000-BL SI144000-GR SI14400-TR

: 2 layers $308 \text{gr/m}^2 - 286 \text{ml/m}^2 = 200 \text{ micron} / 14 \text{m}^2$ Consumption Reachable area : 1 layers $154 \text{gr/m}^2 - 143 \text{ml/m}^2 = 100 \text{ micron} / 28 \text{m}^2$

Hardness/Viscosity: H7

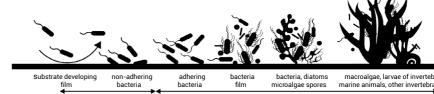
Used for : Fiberglass, steel, aluminium, plastics, wood

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:



(hours-days)



How to use: Page 31



Easy to apply Repaintable



Amphiphilic Invisible Hull Technoloy



Cut maintenance costs



Organic Cupper and Tin Non Biocidal



Super Sleek Surface Algae release < 6 knots



Self-cleaning stays cleaner longer



Save fuel



Impact Resistance 1kg / 80cm



Thermal Shock-Resistant

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SI31 2-Component (2K)

Textured Transparent Semi Gloss antislip - high impact resistant

Product ID : SI312000 2L / 2.000gr

: 3 layers $+/-222 gr/m^2 - 222 ml/m^2 90 micron = 9m^2$ Consumption Reachable area $: 2 \text{ layers } +/- 111 \text{gr/m}^2 - 111 \text{ml/m}^2 \quad 60 \text{ micron} = 18 \text{m}^2$

: 1 layer +/- 74gr/m^2 - 74ml/m^2 30 micron = 27m^2

Hardness : H9

Used on : Gelcoat, fiberglass, steel, aluminium,

: plastics, wood, virtually any surface.

Application area : Marine, exteriors, interiors

SI31 is a clear solvent-based ceramic coating, linked with a ceramic activator, available in semi-gloss and includes sprayable nano particles. Known for its exceptional durability, this coating easily applies to any organic surface without needing a primer. Its textured design makes it perfect for anti-slip needs.

- 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.
- Zero absorbtion, waterproof, insulation and heat rejecting

Expected Life Duration up to 30 years+



How to use: Page 31



Easy to apply Repaintable



Cut maintenance



Anti-water spot **Anti-corrossion**



Permanent hydrophobic



Self-cleaning stays cleaner longer



Anti-scratch



Visibility safety



Protects your investment



Impact Resistance 1kg / 80cm

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.

Outfit/Applicators:

Fresh Air Respirator

Paint Suit

Application information

The SI11/SI12/SI21/SI14/SI31 coatings can be applied directly or indirectly on all surfaces (porous and non-porous) such as concrete, steel, wood, glasfiber, 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.

Make sure the surface is free from any contamination and dirt. A zinc rich primer can be used for ferrous metals that are exposed to coastal and marine environments or 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-SI21B-SI31B with the can of SI11A-SI12A-SI21A-SI31A by pouring can B into can A, or measure exactly by NET WEIGHT in a ratio of 9:1 by using a scale and mix very well.

Mix SI14A2800 with SI14C0800 with by pouring can C into can A, or measure exactly by NET WEIGHT in a ratio of 7:2 by using a scale and mix very well, then add the entire content of SI14B0400 or measure exactly by NET WEIGHT in a ratio of 7:1 (compared to SI14A2800) by using a scale and mix very well. Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches your desired thickness. 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. If have orange peel you may wet /sand the surface wit P1500 and after P2000 and polish with One Step Polish till high shine. The surface can simply be maintained with a high pressure washer at 80 bar using our biologically degradable Reactivating Shampoo.

The surface can simply be maintained with a high pressure washer at 80 bar using our biologically degradable Reactivating Shampoo.

Tool cleaning and Thinner solvent

The individual components, as well as the mixing system of the paint sprayer, can be diluted and cleaned using our solvent. All of our paints and coat-



Nitrile gloves

Professional Paint Sprayer 1.3-1.7mm / 0.05-0.06" nozzle





Paint Roller Respirator (Microfiber)



(acrylic)

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SIXT 2-Component (2K)

Primer Micro Zinc Grey

heavy duty - anti-corrosion

:SIX12000 2L/3.665gr Article Nr.

: 2 layers $+/- 130 \text{gr/m}^2 - 110 \text{ml/m}^2 60 \text{ micron} = 16 \text{m}^2$ Consumption :1 layer +/- 65gr/m^2 - 55ml/m^2 30 micron = 24m^2 Reachable area

:H7 Hardness

Used on : Steel, Aluminium and other organic surfaces

Application area : Buildings, marine, airports, offshore structures, bridges

SIX1 is a solvent based micro zinc primer. This primer is used for corrosion protection on stainless, galvanized, carbon and alloy steel, aluminum in corrosive conditions and has excellent adhesion to all organic substrates and to one of our ceramic topcoats. The primer can be applied at a relative humidity of 40-80% and can be painted over within 8 hours 30°C, 1 hours 60°.





Fast Repaintable



Excellent adhesion



Primer Wood Grain Filler

surface modifier - absorbtion reducer

Article Nr. :SIX12000 2L/3.250gr

 $: 2 \text{ layers} + -130 \text{gr/m}^2 - 110 \text{ml/m}^2 = 50 \text{ micron} = 16 \text{m}^2$ Consumption :1 layer +/- 65gr/m^2 - 55ml/m^2 25 micron = 24m^2 Reachable area

Hardness : H4

: Aluminium, concrete, wood and other organic surfaces Used on

Application area : Buildings, marine, airports, bridges

SIX2 is a waterborne wood filler. This primer is used as surface modification for, wood or concrete to reduce capillary absorption and has an excellent adhesion to all organic substrates and towards one of our ceramic top coats. The primer can be applied at a relative humidity of 40-80%.





Fast Repaintable



Excellent adhesion



VOC Free



Micro Zinc & Wood Grain Filler



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for all types of our ceramic paint & coating

Article Nr. : SOLV0400 14oz / 0.8 lbs

All our paints and coatings are ready to use, for certain spray applications, especially dark colors who require more than average color pigments, it may be necessary to use a little thinner solvent to achieve optimum flowability.

RETA/ACCI



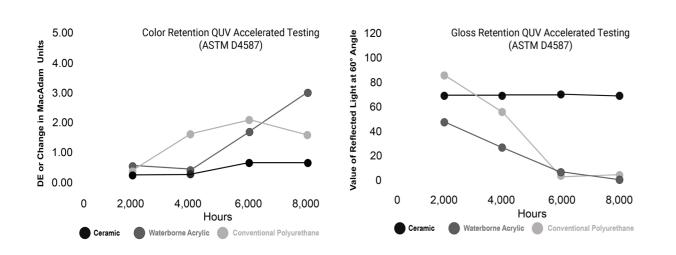
slow down flash time or speed up curing

: RETA0400 14oz / 0.85 lbs ACCL0200 7oz / 0.4 lbs Article Nr.

If your application need longer flash time (longer time to build up the layer with a second or third coat you can add the RETA Retarder.

In case you want to spead up the curing process you can add the high efficient ACCL Accelerator.

Ceramic Paint Color and Gloss Retention QUV Accelerated Testing (ASTM D4587)



Maintenance Plan Thin Film Coating





Step 2 Polishing

Step 3 Steril Cleaner







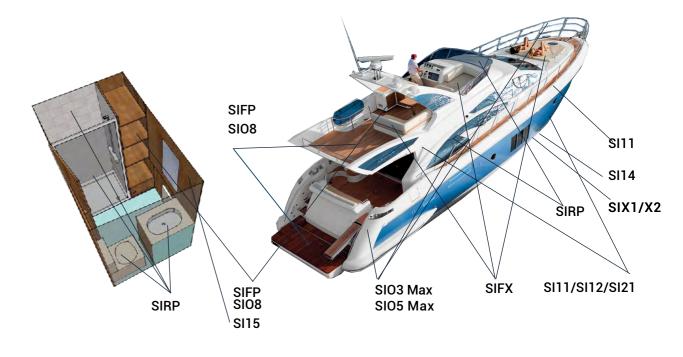


Step 4 Basecoat Curing time: 2 hours after application

Step 5 Nano Laver Hydrophobic Topcoat

Step 6 Curing time: 6 hours in ambient temperature

Where to use our coatings:



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Color card

Traffic white

SI13 White Egg-Shell (Flat Finish) 15/25 (20/60°) SI41 Textured White Semi Gloss 41/69 (20/60°) SI21 White Gloss 49/77 (20/60°) SI22 White Satin 33/59 (20/60°) Pearl dark grey Pure white

Mahogany braun

SI11 Transparent Gloss 51/78 (20/60°)

Military SI12 Transparent Matte 11/21 (20/60°) SI31 Textured Transparent Semi Gloss 41/69 (20/60°) SI11 Transparent Gloss 51/78 (20/60°) SI41 Textured White Semi Gloss 41/69 (20/60°) SI33 Textured Black Semi Gloss 41/69 (20/60°) 33/59 (20/60°) SI42 Textured White Matte 11/21 (20/60°) [RAF] Blue grey Leaf green [J.D Deere] Silver gray

Signal blue

Very dark drap

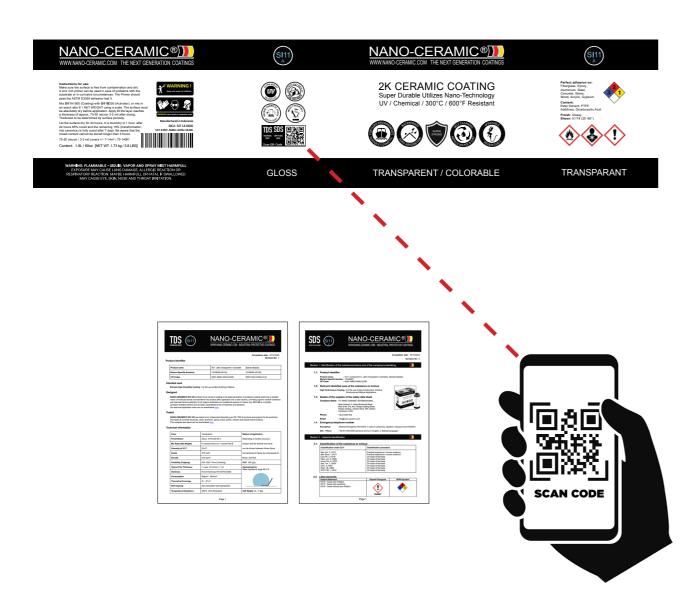
Other colors need minimal 100kg

Antifouling SI14 Color 31/41 (20/60°) Signal Grey

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Olive yellow

Scan QR Code for TDS and SDS



Video Application & (Test) Results











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Drawing:	
Diawing.	
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The Leader in Durability

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

Dealer