

NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



Marine Permanent Coating Systems

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 600°F 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 (non PFAS) 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.

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%.

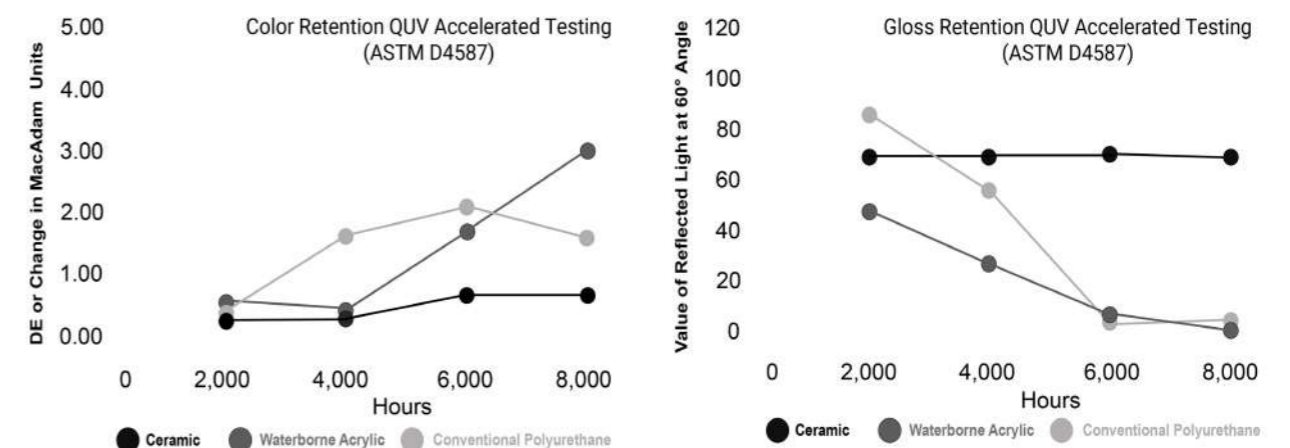
In a new analysis from IPTEK ITS 2023 concerning Drag Reduction, the following conclusions have been obtained. It was found that there was an increase in acceleration due to drag reduction on the ship model treated with a superhydrophobic coating, showing a 31% improvement compared to the non-coated 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 [here](#) for the IPTEK analyses.

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.

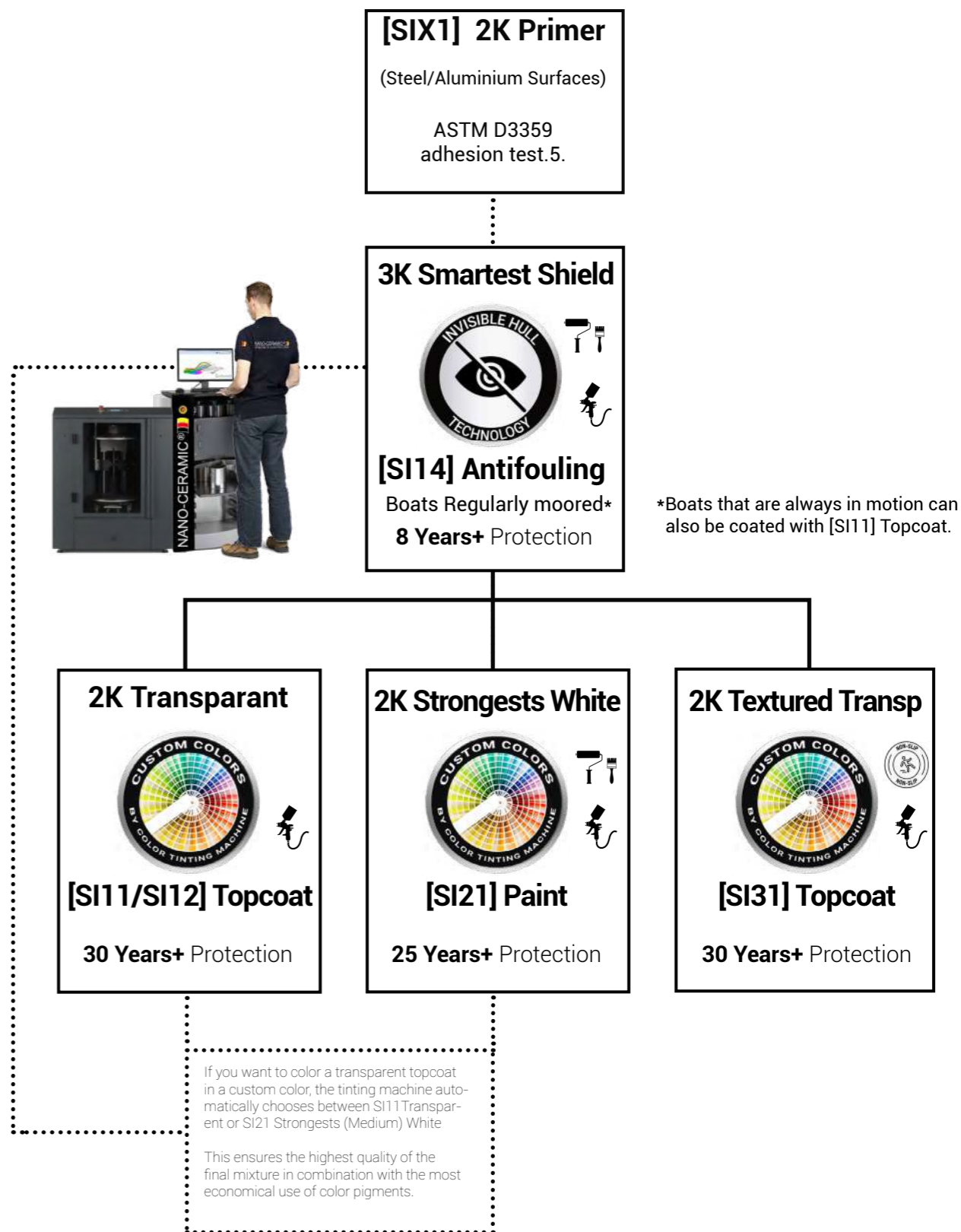
Conventional gelcoats are a mixture with Epoxy or Polyurethane resins, of which the quality of resin and pigments are the most important factor in the ultimate strength. Most have a lifespan of 15 years, with hardness, color and gloss retention (sun fading) and manual mixing towards consistent quality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

Quality Comparison of paints technologies

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

Characteristics	Acrylic Latex walls ceilings	Acrylic walls floors	Epoxy floors	Polyurethane waterproofing	CERAMIC® all surfaces
Primer	Yes	Yes	Yes	Yes	No
Adhesion Strength	Poor	Poor	Poor	Poor	Excellent
Cross Cut Test	Poor	Poor	Good	Poor	Excellent
Abrasion Resistance	Poor	Poor	Average	Poor	Excellent
UV Radiation Resistance	Average	Average	Poor	Good	Excellent
Artificial Atmospheric Agents	Poor	Poor	Good	Good	Excellent
Colour Retention	Average	Average	Poor	Poor	Excellent
Gloss Retention	Poor	Poor	Poor	Poor	Excellent
Chemical Resistance	Good	Good	Good	Poor	Excellent
Severe Chemical Attack	Poor	Poor	Average	Poor	Excellent
Temperature Resistance	140°F	196°F	350°F	505°F	600°F
Thermal Shock Resistance	Good	Good	Poor	Good	Excellent
Carbon Dioxide Permeability	Poor	Poor	Good	Poor	Excellent
Permeability water vapour	Average	Average	Good	Average	Excellent
Water Absorption Rate	5-15%	1%	2%	3%	0%
Aging at 158°F	Poor	Poor	Good	Average	Excellent
Adhesion Strenght Pull-off	Poor	Average	Good	Poor	Excellent
Impact Resistance	Poor	Average	Good	Poor	Excellent
Anti-Graffiti	No	No	No	No	Yes
Anti-Termite (Wood)	No	No	No	No	Yes
Hydrophobic Self Cleaning	No	No	No	No	Yes
Easy to Clean	No	No	No	No	Yes
Total Solar Reflectance (TSR)	60 (white)	60 (white)	60 (white)	60 (white)	88 (white)
Expected Lifetime in Years	<7	<7	<5-15	<5-15	15-30+

Ceramic Coating & Paint System





SI11

2-Component (2K)

Topcoat Transparent

for glossy surfaces

Product ID	: SI112000 67 oz / 4.2 lbs
Consumption	: 3 layers 0.06 lbs/ft ² - 0.96 oz/ ft ² = 3 mil/ 70 ft ²
Reachable area	: 2 layers 0.04 lbs/ft ² - 0.64 oz/ ft ² = 2 mil/140 ft ² : 1 layer 0.02 lbs/ft ² - 0.32 oz/ ft ² = 1 mil/210 ft 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 600°F.

Expected Life Duration up to 30 years+



How to use: Page 30

- Easy to apply Repaintable**
- Cut maintenance costs**
- Anti-water spot Anti-corrosion**
- Permanent hydrophobic**
- Self-cleaning stays cleaner longer**
- Anti-scratch**
- Impact Resistance 2 lbs -2.6 ft**
- Protects your investment**



SI12

2-Component (2K)

Topcoat Transparent

for matted surfaces

Product ID	: SI112000 67 oz / 4.4 lbs
Consumption	: 3 layers 0.06 lbs/ft ² - 0.96 oz/ ft ² = 3 mil/ 70 ft ²
Reachable area	: 2 layers 0.04 lbs/ft ² - 0.64 oz/ ft ² = 2 mil/140 ft ² : 1 layer 0.02 lbs/ft ² - 0.32 oz/ ft ² = 1 mil/210 ft 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 600°F.

Expected Life Duration up to 30 years+



How to use: Page 30

- Easy to apply Repaintable**
- Cut maintenance costs**
- Anti-water spot Anti-corrosion**
- Permanent hydrophobic**
- Self-cleaning stays cleaner longer**
- Anti-scratch**
- Impact Resistance 2 lbs -2.6 ft**
- Protects your investment**



SI21

2-Component (2K)

Paint The Strongest White for glossy surfaces

Product ID	: SI212000 67 oz / 5.3 lbs
Consumption	: 3 layers 0.044 lbs/ft ² - 0.56 oz/ ft ² = 3 mil/120 ft ²
Reachable area	: 2 layers 0.030 lbs/ft ² - 0.37 oz/ ft ² = 2 mil/160 ft ² : 1 layer 0.014 lbs/ft ² - 0.19 oz/ ft ² = 1 mil/240 ft ²
Hardness	: H8
Used on	: Gelcoat, 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 600°F

Expected Life Duration up to 25 year+



How to use: Page 30

- Easy to apply Repaintable**
- Cut maintenance costs**
- Anti-water spot Anti-corrosion**
- Permanent hydrophobic**
- Self-cleaning stays cleaner longer**
- Anti-scratch**
- Impact Resistance 2lbs/2.6ft**
- Protects your investment**



SI14

3-Component (3K)

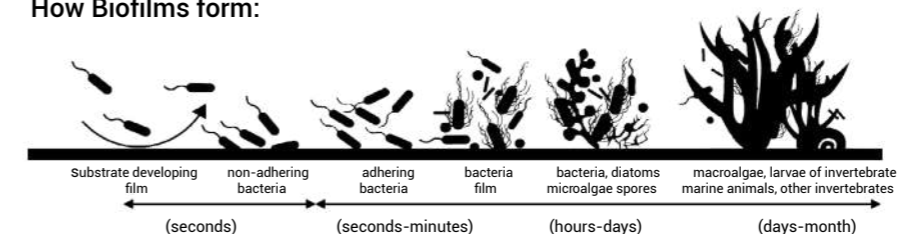
The Smartest White black/red/blue/grey/transparent

Product ID	: SI141000-BK-RD-BL-GR 32 oz / 2.4 lbs : SI144000-BK-RD-BL-GR 1 gal / 9.5 lbs
Consumption	: 2 layers 0.08 lbs/ft ² -1.30 oz/ft ² = 8 mil/140 ft ²
Reachable area	: 1 layer 0.04 lbs/ft ² -0.65 oz/ft ² = 4 mil/280 ft ²
Hardness	: H7
Used for	: Gelcoat, 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:



How to use: Page 30

- Easy to apply Repaintable**
- Amphiphilic Invisible Hull Technology**
- Cut maintenance costs**
- Organic Copper and Tin Non Biocidal**
- Super Sleek Surface Algae release <6 knots**
- Self-cleaning stays cleaner longer**
- Save fuel**
- Impact Resistance 2lbs - 2.6ft**
- Thermal Shock-Resistant**



SI31

2-Component (2K)

Textured Transparent Semi Gloss antislip - high impact resistant

Product ID	: SI312000 67 oz / 4.6 lbs
Consumption	: 3 layers 0.050 lbs/ft ² - 0.76 oz/ ft ² = 3 mil/ 90 ft ²
Reachable area	: 2 layers 0.033 lbs/ft ² - 0.51 oz/ ft ² = 2 mil/180 ft ² : 1 layer 0.017 lbs/ft ² - 0.25 oz/ ft ² = 1 mil/270 ft ²
Hardness	: H9
Used on	: Gelcoat, fiberglass, steel, aluminium, : plastics, wood, virtually any surface.
Application area	: Buildings, marine, offshore structures, bridges, etc

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 600°F.
- Zero absorption, waterproof, insulation and heat rejecting

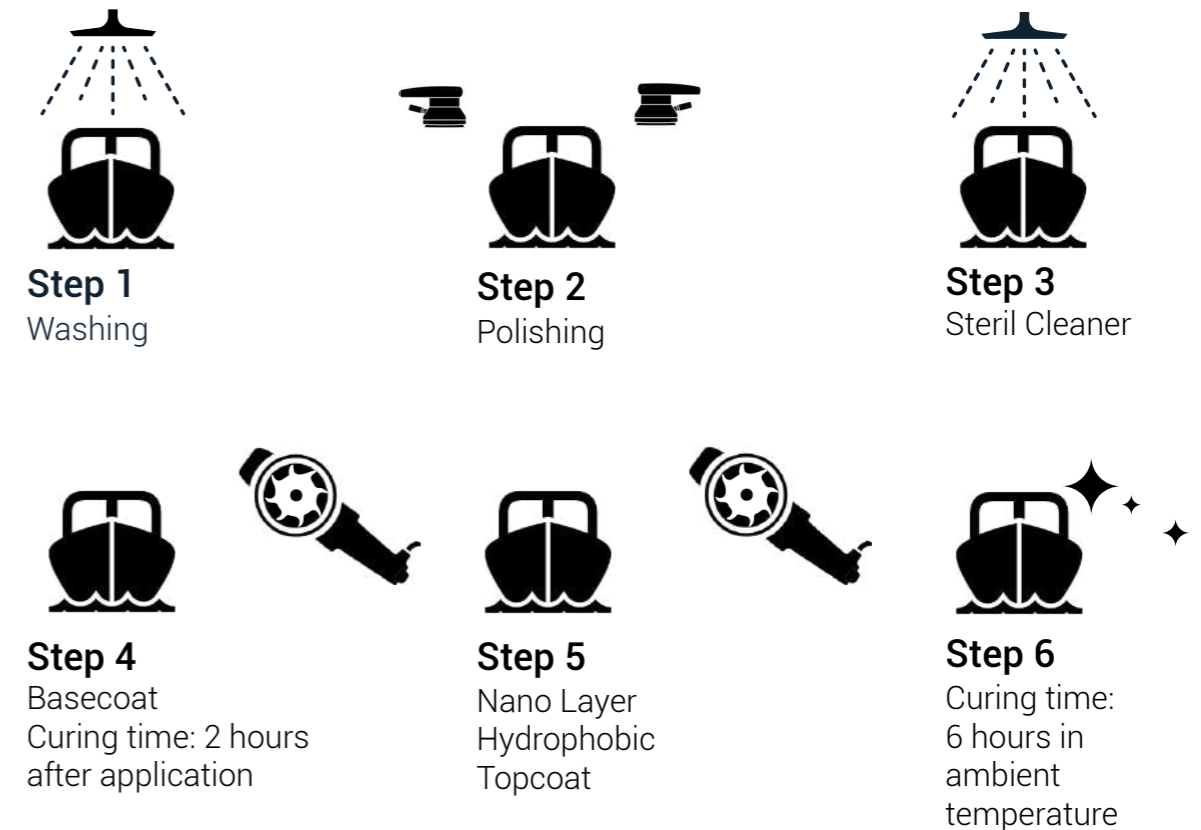
Expected Life Duration up to 30 years+



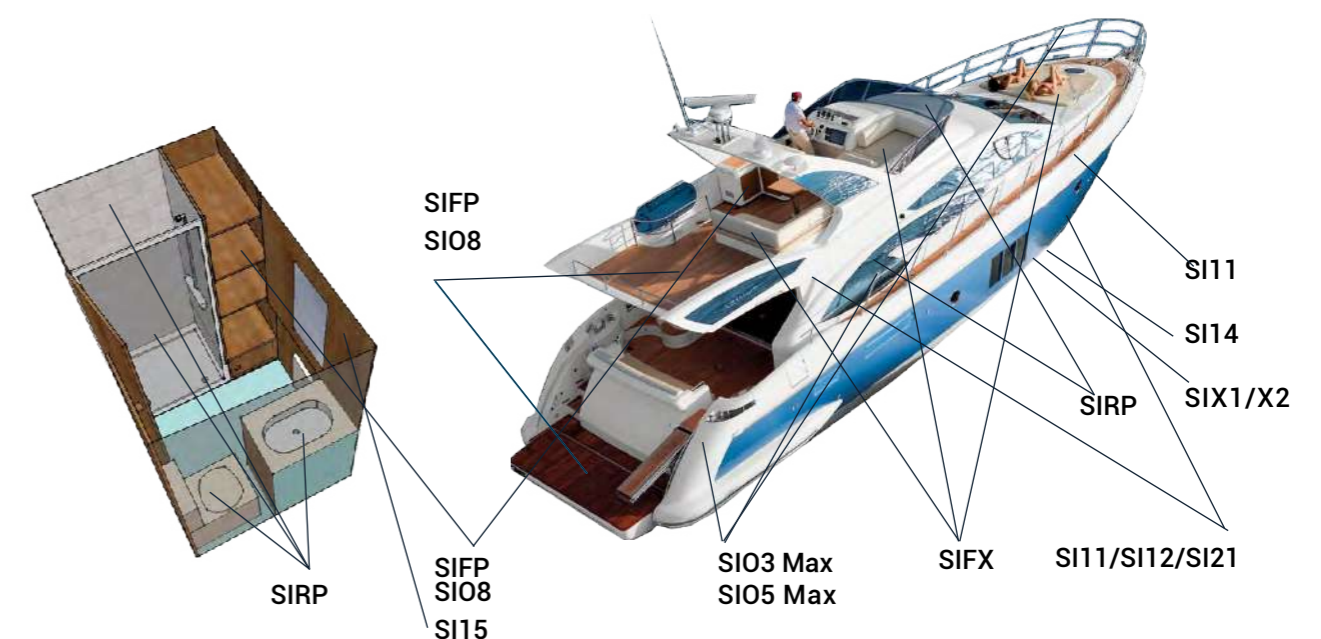
How to use: Page 30

- Easy to apply**
Repaintable
- Cut maintenance**
- Anti-water spot**
Anti-corrosion
- Permanent hydrophobic**
- Self-cleaning**
stays cleaner longer
- Anti-scratch**
- Visibility safety**
- Protects your investment**
- Impact Resistance**
2lbs/2.6ft

Maintenance Plan Thin Film Coating






Where to use our coatings:



Color mixing has never been so easy!!!

X- SMART is the modular version of the acclaimed dispenser series, extremely cost-effective and easy to operate, with a low maintenance



This color mixer has a robust and tubeless design, built with a patented pump technology (to reduce waste) and identical features, making it a highly advanced dispenser, ideally suited to reduced capacity.



Prisma-RT is a cloud-based innovative mobile color application compatible with the X-SMART dispenser. It brings the best of wireless technology without the associated investment costs in hardware.

















































Customers do not have to provide computers and other accessories or set up servers, eliminating the need for complicated and time-consuming installation and configuration.

This smart Prisma-RT device helps to fix prices and taxes and can print labels via Wi-Fi.



X-SMART
Stabilizer plates

16 High Grade Coloring chemicals

 <p>Titanium White Masstone  Tint  844-0061 1.05 gal</p>	 <p>Quinacridone Red Masstone  Tint  844-0451 32 oz</p>	 <p>Scarlet Red Masstone  Tint  844-0526 32 oz</p>	 <p>Lead Free Orange Masstone  Tint  844-0982 32 oz</p>
 <p>Trans Red Oxide Masstone  Tint  844-1054 32 oz</p>	 <p>Red Oxide Masstone  Tint  844-1063 32 oz</p>	 <p>Burnt Umber Masstone  Tint  844-1352 32 oz</p>	 <p>Trans Yellow Oxide Masstone  Tint  844-1852 32 oz</p>
 <p>Yellow Oxide Masstone  Tint  844-1863 32 oz</p>	 <p>Lead Free Med Yellow Masstone  Tint  844-2555 32 oz</p>	 <p>Yellow Masstone  Tint  844-2826 32 oz</p>	 <p>Organic Yellow Masstone  Tint  844-2852 32 oz</p>
 <p>PHTHALO Green Masstone  Tint  844-5558 32 oz</p>	 <p>Quinacridone Violet Masstone  Tint  844-9451 32 oz</p>	 <p>Lamp Black Masstone  Tint  844-9955 32 oz</p>	 <p>PHTHALO BLUE Masstone  Tint  844-7262 32 oz</p>

Color card

Residential		
SI13 White Egg-Shell (Flat Finish) 15/25 (20/60°)	SI41 Textured White Semi Gloss 41/69 (20/60°)	
SI15 White Egg Shell (Flat Finish) 18/28 (20/60°)	SI42 Textured White Matte 11/21 (20/60°)	
SI21 White Gloss 49/77 (20/60°)		
SI22 White Satin 33/59 (20/60°)		
Original	RAL 9018	RAL 3015
Cool white	Papyrus white	Light pink
RAL 9001	RAL 9022	RAL 5007
Cream white	Pearl light grey	Pastel blue
RAL 9002	RAL 9023	RAL 4009
Grey white	Pearl dark grey	Pastell violet
RAL 9003	RAL 1000	RAL 6027
Signal white	Green beige	Light green
RAL 9004	RAL 1001	RAL 7030
Signal black	Beige	Squirrel grey
RAL 9005	RAL 1002	RAL 1036
Jet black	Sand yellow	Pearl gold
RAL 9006	RAL 1011	RAL 8029
White aluminium	Brownbeige	Pearl copper
RAL 9007	RAL 1013	RAL 6012
Grey aluminium	Pearl white	Pearl blackberry
RAL 9010	RAL 1014	RAL 5025
Pure white	Ivory	Pearl gentian blue
RAL 9011	RAL 1015	RAL 6036
Graphite black	Light Ivory	Pearl opal green
RAL 9016	RAL 9017	RAL 8016
Traffic white	Traffic black	Mahogany braun

Wood
SI11 Transparent Gloss 51/78 (20/60°)
SI12 Transparent Matte 11/21 (20/60°)
SI11 Transparent
SI11 Light
SI11 Nut
SI11 Colonial

Industrial
SI11 Transparent Gloss 51/78 (20/60°)
SI21 White Gloss 49/77 (20/60°)
SI22 White Satin 33/59 (20/60°)
Transparent
RAL 1026
Lumious yellow
RAL 3020
Traffic red
RAL 9005
Jet black
RAL 1004
Golden yellow [Cat]
RAL 6002
Leaf green [J.D Deere]
RAL 7035
Light grey
RAL 7011
Dark grey
RAL 7001
Silver grey
RAL 8032
Signal brown
RAL 8025
Pale brown

Marine	Military		
SI12 Transparent Matte 11/21 (20/60°)	SI31 Textured Transparent Semi Gloss 41/69 (20/60°)		
SI41 Textured White Semi Gloss 41/69 (20/60°)	SI33 Textured Black Semi Gloss 41/69 (20/60°)		
SI42 Textured White Matte 11/21 (20/60°)			
Original	RAL 3000	Transparent matte	Light stone
Cool white	Fire red		
RAL 9010	RAL 3004	RAL 7031	RAL 6031
Pure white	Burgundy	Blue grey	Bronze green
RAL 9001	RAL 7036	RAL 9005	RAL 6451
Cream white	Platinum	Jet black	Brunswick green
RAL 5023	RAL 9005	RAL 5006	RAL 7016
Distant blue	Jet Black	NATO green	Dark sea grey
RAL 1023	RAL 5019	RAL 7024	RAL 5008
Traffic yellow	Turquoise bleu	Graphite grey	[RAF] Blue grey
RAL 7001	RAL 6027	RAL 1015	
Silver gray	Light green	Desert sand	
RAL 1015	RAL 9000	Camo beige	
Light Ivory	Violet blue		
RAL 9016	RAL 9012		
Pure white	Light blue		
RAL 9001	RAL 9002		
Cream	Ultramarine blue		
RAL 1001	RAL 9013		
Beige	Sapphire blue		
RAL 1020	RAL 5005		
Olive yellow	Signal blue		

Antifouling
SI14 Color 31/41 (20/60°)
Transparent
RAL 9005
Jet Black
RAL 3001
Signal Red
RAL 5002
Ultra marine blue
RAL 7004
Signal Grey



What is NANO-CERAMIC UVA Topcoat?

NANO-CERAMIC® UVA Topcoat is a revolutionary low-VOC, non-PFAS, self-leveling protective coating system that forms an ultra-hard, glass-like hydrophobic barrier—ideal for high-performance marine environments.

Specifically engineered for extreme durability and a sleek, high-gloss finish, UVA Topcoat delivers exceptional resistance to saltwater, intense UV exposure, biofouling, and harsh marine chemicals like hydrofluoric acid (HF), hydrochloric acid, and citric acid—all while remaining completely safe and compliant for onboard use (Food contact safe).

Powered by advanced nanotechnology, UVA Topcoat extends the lifespan of marine surfaces by protecting polyester, epoxy, polyurethane, and acrylic resins steel, aluminum, composites, and wood from corrosion, surface breakdown, and environmental wear. —making it an exceptionally versatile solution for virtually any surface.

Why UVA Topcoat is a Game-Changer in Marine Protection?

For decades, protective coatings like epoxy, polyurethane (PU), and acrylic have been the industry standard. However, they all share a critical weakness—UV degradation. Prolonged exposure to sunlight causes these coatings to yellow, crack, and deteriorate, leading to costly maintenance and premature failures.

Where can UVA Topcoat be applied in Marine use?

UVA Topcoat is highly versatile and suitable for a wide range of marine applications:

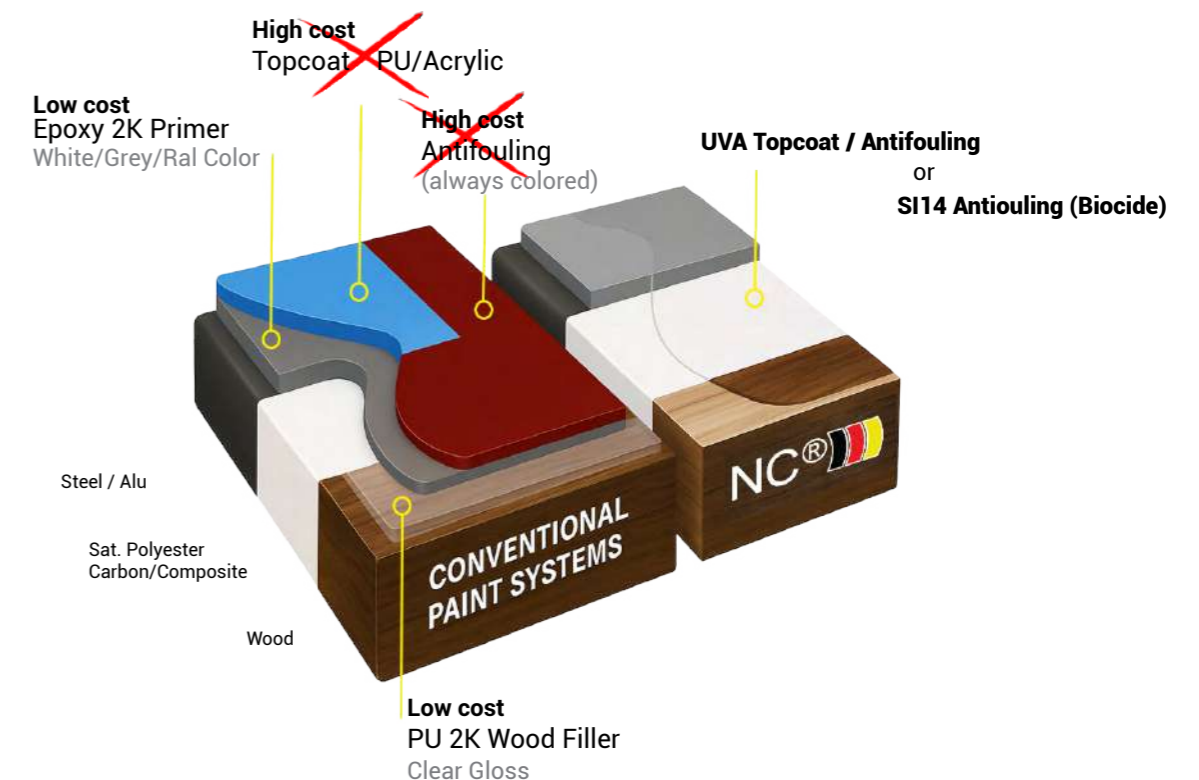
- Yachts & Boats – Hulls, decks, topsides, and superstructures
- Speedboats – UV protection and ultra-slick finish for high-performance watercraft
- Marine Infrastructure – Docks, piers, pontoons, and submerged structures
- Ship Interiors – Tables, countertops, cabins, walls, and decorative panels
- Commercial Vessels – Outer hulls, ballast tanks, walkways, and engine rooms
- Antifouling Protection – Ideal for vessels in constant motion or those stored on land

Compatible with both new builds and retrofits, UVA Topcoat adapts to various marine substrates and operating conditions with ease.

Can our hydrophobic coatings boost speed and cut fuel use?

Yes—our superhydrophobic sleek surface reduces drag by up to 23.4%, leading to 31% faster acceleration compared to uncoated surfaces and 27% faster than conventional antifouling coatings (Source: IPTEK ITS, 2023).

How it Works



Superior Performance at the Lowest Cost.

UVA Topcoat isn't just another coating—it's a next-generation solution that replaces complex and expensive multi-layer systems with a single, high-performance layer.

By applying directly over low-cost primers, UVA Topcoat eliminates the need for expensive finishing coats. Its smart chemistry and simplified process make traditional topcoat systems outdated by comparison.

Whether for industrial, marine, infrastructure, or decorative use, UVA Topcoat simplifies your process and multiplies your value—proving that true performance doesn't have to come at a high price.

Freedom in Protection Years

Long-Lasting Protection, Layer by Layer
A single 6 µm (micron) layer applied using HVLP spray technology can provide up to 8 years of protection. Need more durability? Just add more layers—it's that simple.

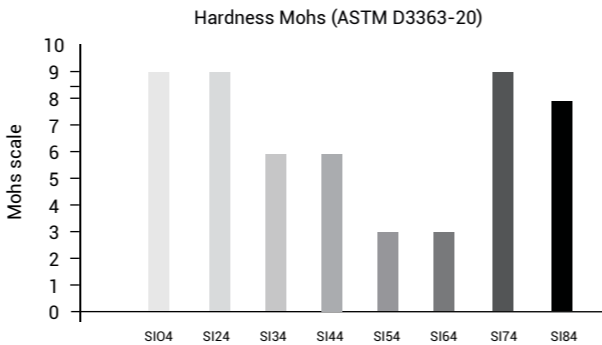
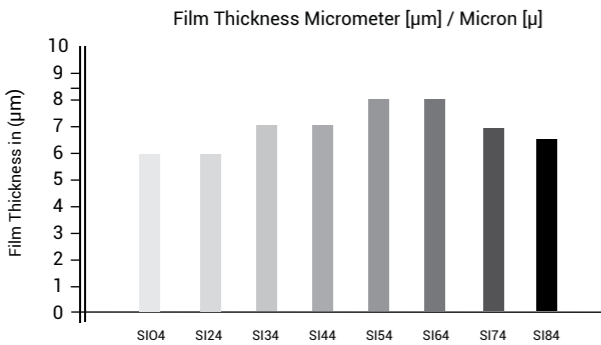
Apply wet-on-wet: once the first coat flashes off (dry to the touch but still tacky), you can immediately apply the next. This method prevents trapped gases and creates a seamless, chemical-resistant film with hydrophobic properties—making surfaces easier to clean and maintain.

Coverage & Application Efficiency

UVA Topcoat is engineered for maximum efficiency with minimal material use—delivering high-performance protection at a fraction of the volume required by traditional coatings.
Recommended usage is approximately ±0.025 lbs/ft² per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one liter covering up to 800 ft².

Color Tinting Option for Marine Applications

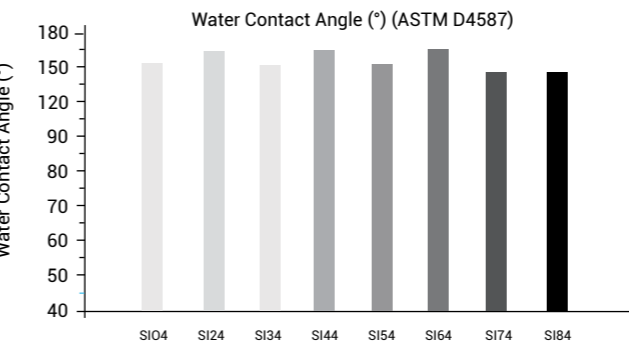
For customized aesthetics, UVA Topcoat can be tinted using our colorants on page 22-23. These high-performance, solvent-free pigments provide long-lasting color stability and UV resistance—perfect for marine environments where both protection and appearance matter. Ideal for yachts, decks, interiors, or any visible surface requiring a durable, colored finish without compromising the coating's hydrophobic and chemical-resistant properties.



Quality Comparison of paints technologies

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

Characteristics	Acrylic Latex walls ceilings	Acrylic walls floors	Epoxy floors	Polyurethane waterproofing	UVA Topc all surfaces
Primer	Yes	Yes	Yes	Yes	No
Adhesion Strength	Poor	Poor	Poor	Poor	Excellent
Cross Cut Test	Poor	Poor	Good	Poor	Excellent
Abrasion Resistance	Poor	Poor	Average	Poor	Excellent
UV Radiation Resistance	Average	Average	Poor	Good	Excellent
Artificial Atmospheric Agents	Poor	Poor	Good	Good	Excellent
Colour Retention	Average	Average	Poor	Poor	Excellent
Gloss Retention	Poor	Poor	Poor	Poor	Excellent
Chemical Resistance	Good	Good	Good	Poor	Excellent
Severe Chemical Attack	Poor	Poor	Average	Poor	Excellent
Temperature Resistance	140°F	196°F	350°F	505°F	550°F
Thermal Shock Resistance	Good	Good	Poor	Good	Excellent
Carbon Dioxide Permeability	Poor	Poor	Good	Poor	Excellent
Permeability water vapour	Average	Average	Good	Average	Excellent
Water Absorption Rate	5-15%	1%	2%	3%	0%
Aging at 70°C	Poor	Poor	Good	Average	Excellent
Adhesion Strenght Pull-off	Poor	Average	Good	Poor	Excellent
Impact Resistance	Poor	Average	Good	Poor	Excellent
Anti-Graffiti	No	No	No	No	Yes
Anti-Termite (Wood)	No	No	No	No	Yes
Hydrophobic Self Cleaning	No	No	No	No	Yes
Easy to Clean	No	No	No	No	Yes
Total Solar Reflectance (TSR)	60 (white)	60 (white)	60 (white)	60 (white)	88 (white)
Expected Lifetime in Years	<7	<7	<5-15	<5-15	8/16/24





SIO4

1-Component (2K)

Topcoat Transparent for glossy surfaces

Product ID	: SIO41LUVA 32 oz / 2.03 lbs SIO405UVA 16 oz / 1 lbs
Consumption	: 3 layers +/- 0.075 lbs/ft ² - 0.12 oz/ft ² 18 micron = 200 ft ²
Reachable area	: 2 layers +/- 0.050 lbs/ft ² - 0.08 oz/ft ² 12 micron = 400 ft ²
	: 1 layer +/- 0.025 lbs/ft ² - 0.04 oz/ft ² 6 micron = 800 ft ²
Hardness/Cupping	: H9 / Flexibility ISO 1520 >21mm
Used for	: Fiberglass, steel, aluminium, plastics, wood
Application field	: Marine, exteriors, antifouling interiors

SIO4 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 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 550°F.

Expected life duration 4-16 or 24 Years (layer thickness)



How to use: Page 31



**Easy to apply
Repaintable**



Cut maintenance costs



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
stays cleaner longer**



Anti-scratch



**Impact Resistance
30"-2lbs**



**Protects your
investment**



SI24

1-Component (1K)

Topcoat Transparent for matte surfaces

Product ID	: SI241LUVA 32 oz / 2.13 lbs SI2405UVA 16oz / 1.05 lbs
Consumption	: 3 layers +/- 0.075lbs/ft ² - 0.12oz/ft ² 18 micron = 200ft ²
Reachable area	: 2 layers +/- 0.050lbs/ft ² - 0.08oz/ft ² 12 micron = 400ft ²
	: 1 layer +/- 0.025lbs/ft ² - 0.04oz/ft ² 6 micron = 800ft ²
Hardness/Cupping	: H9 / Flexibility ISO 1520 >21mm
Used for	: Fiberglass, steel, aluminium, plastics, wood
Application field	: Marine, exteriors, interiors

SI24 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 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 550°F.

Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 31



**Easy to apply
Repaintable**



Cut maintenance costs



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
stays cleaner longer**



Anti-scratch



**Impact Resistance
30"-2lbs**



**Protects your
investment**

UVA Topcoat Colorants

Precision Color Control — From Super-Transparent Tints to Bold, Defined Shades

As a coating manufacturer, we use advanced colorant chip technology to produce fully prepared, ready-to-use colorants that integrate seamlessly into our coating systems.

The colorant chips themselves are selected, processed, and blended by us under controlled conditions, resulting in liquid colorants with precise concentration, high transparency, and excellent stability. Our customers receive a finished colorant product and do not need to handle or process chips in any way.



Because the colorants are supplied ready to use, incorporation into our coating systems is simple and straightforward. The required amount of colorant can be added directly to the coating and mixed using standard stirring or mechanical mixing.

The colorant disperses quickly and evenly, without streaking, cloudiness, or the need for special equipment. This makes color adjustment easy and reliable, even for small batches or on-site applications.



By controlling the entire process—from coating and colorant chip selection to finished colorant production—we ensure consistent color accuracy and repeatability from batch to batch.

The colorants are specifically engineered to remain fully compatible with our high-performance binder technologies. As a result, color can be introduced without compromising transparency, gloss, durability, or chemical resistance.



The outcome is a coating system in which professional color control—from super-transparent shades to bold finishes—is achieved with minimal effort for the user: add the colorant, mix, and apply.





WHITE UVAWH0100
Masstone to Transparent Tint
SI080 **0.32 oz**





BLACK UVABK0100
Masstone to Transparent Tint
S9938 **0.32 oz**



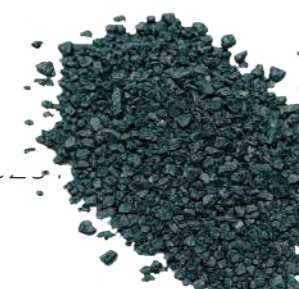

YELLOW UVAYE0100
Masstone to Transparent Tint
S2184 **0.32 oz**



RED UVARD0100
Masstone to Transparent Tint
S4254CN **0.32 oz**



BLEU UVABL0100
Masstone to Transparent Tint
S5007 **0.32 oz**



GREEN UVABL0100
Masstone to Transparent Tint
S7154N **0.32 oz**



SIX1

2-Component (2K)

Primer Epoxy Polyamide

heavy duty - anti-corrosion



Product ID : SIX11250-WH/GR 42 oz / 3.2 lbs SIX15000-WH/GR 1.32 gal / 12.8 lbs
Consumption : 2 layers +/- 0.53 lbs/ft² - 0.7oz/ft² 80 micron = 50 ft²
Reachable area : 1 layer +/- 0.26 lbs/ft² - 0.4oz/ft² 40 micron = 100 ft²
Hardness : H5
Colors : White, Grey or RAL (RAL Minimum Order 250 pcs 1.32 gal)
Used on : Concrete, Steel, Aluminium, Fiberglass and other organic surfaces



Fast Repaintable



Excellent adhesion

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

SIX1 is a solvent based epoxy polyamide primer. This primer is used for corrosion protection on concrete, stainless, galvanized, carbon and alloy steel, aluminum in corrosive conditions and has excellent adhesion to all organic substrates and to all of our ceramic topcoats. The primer can be applied at a relative humidity of 40-80% and can be painted over within 8 hours 85°F, 1 hours 140°F.

SIX2

2-Component (2K)

Primer Surfacer Acrylic Alkyd

smooth - surface modifier



Product ID : SIX21250-WH/GR 42 oz / 3.2 lbs SIX25000-WH/GR 1.32 gal / 12.8 lbs
Consumption : 2 layers +/- 0.44 lbs/ft² - 0.7 oz/ft² 60 micron = 60 ft²
Reachable area : 1 layer +/- 0.22 lbs/ft² - 0.4 oz/ft² 30 micron = 120 ft²
Hardness : H3
Colors : White or Grey
Used on : Steel, aluminium, wood, fiberglass, and old paint systems.
Application area : Buildings, marine, airports, bridges



Fast Repaintable



Excellent adhesion



VOC Free

SIX2 High-quality 2K surfacer (two-component basecoat) for auto-refinish, marine, and industrial coating applications where a smooth surface is required. The primer has excellent adhesion to all organic substrates and to all of our ceramic topcoats. The primer can be applied at a relative humidity of 30-80% and can be painted over within 4 hours 85°F, 1 hours 140°F.



Heavy Duty Primer - Smooth Surfacer



SIX3

2-Component (2K)

Primer PU Wood Filler

surface modifier - absorption reducer

Product ID : SIX31500 51 oz / 3.3 lbs
Consumption : 2 layers +/- 0.40 lbs/ft² - 0.6 oz/ft² 60 micron = 80 ft²
Reachable area : 1 layer +/- 0.20 lbs/ft² - 0.3 oz/ft² 30 micron = 120 ft²
Hardness : H4
Used on : Steel, Aluminium and other organic surfaces
Application area : Buildings, marine, airports, offshore structures, bridges

SIX3 is a solvent borne transparent wood filler. This primer is used as surface modification for, wood or natural stone 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



Wood or Natural Stone - Filler

SIX4

1-Component (1K)

Primer Acrylic Waterbased

all surfaces modifier - stain killer

Product ID : SIX41000-WH/GR 32 oz / 2.65 lbs SIX44000-WH/GR 1 gal / 10.6 lbs
Consumption : 2 layers +/- 0.53 lbs/ft² - 0.7 oz/ft² 80 micron = 50 ft²
Reachable area : 1 layer +/- 0.26 lbs/ft² - 0.4 oz/ft² 40 micron = 100 ft²
Hardness : H3
Colors : White, Grey or RAL (RAL Minimum Order 250 pcs 1 gal)
Used on : Concrete, wood, drywalls and old waterbased paints
Application area : Buildings, walls and ceilings indoor or outdoor



Fast Repaintable



Excellent adhesion



VOC Free

SIX4 Acrylic Water-Based Primer is a premium, all-purpose primer-sealer with excellent adhesion, stain-blocking, and hiding power. Ideal for both interior and exterior surfaces, it bonds to glossy surfaces without sanding, effectively blocks stains, and provides a smooth foundation for any solvent-based or water-based topcoat



SIX5

2-Component (2K)

Putty Polyester

ultra smooth - sandable

Product ID : SIX51000-WH/GR 2.2 lbs
Colors : White, Grey
Used on : Metal, wood, fiberglass, concrete, plastics
Application area : Buildings, marine, airports, offshore structures, bridges private housing, etc.

SIX5 is a High quality 2 (two) component Epoxy base putty for auto-refinish, marine and industrial coating applications.



Fast Repaintable



Excellent adhesion



SOLV

Thinner solvent

for all types of our ceramic paint & coating

Product ID : SOLV0400 14 oz / 0.8 lbs SOLV2000 64 oz / 3.9 lbs SOLV5000 1.32 gal / 9.7 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/ACCL

Retarder
Accelerator

slow down flash time or speed up curing

Product ID : RETA0400 14 oz / 0.85 lbs ACCL0200 7 oz / 0.4 lbs

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 speed up the curing process you can add the ACCL Accelerator.



Scan QR Code for TDS and SDS

Instructions for use:
 Make sure the surface is free from contamination and dirt.
 A pre-coat primer can be used in case of problems with the substrate or in corrosive circumstances. The Primer should pass the ASTM D3359 adhesion test 5.
 Mix SIX5-1000 (Coating) with SIX5-2000 (Activator), or mix in an exact ratio 5:1 (NET WEIGHT) using a scale. The surface must be adequately dry before application. Apply till the layer reaches a thickness of approx. 75-80 micron. 2-3 mil after drying.
 Thickness to be determined by surface porosity.
 Let the surface dry for 24 hours. It is touchdry in 1 hour, after 24 hours fully cured and the remaining 5% transformation into ceramics is fully cured after 7 days. Be aware that the mixed content cannot be stored longer than 3 hours.
 75-80 micron / 3-2 mil covers +/- 7-14sq / 75-140sq
 Content: 1.8L / 60oz (NET WT: 1.73 kg / 3.8 LBS)

WARNING!
 FLAMMABLE - LIQID, VAPOR AND SPRAY MUST BE HARMFUL.
 EXPOSURE MAY CAUSE LONG-TERM ALLERGIC REACTION OR RESPIRATORY REACTION. MAY BE HARMFUL OR FATAL IF SWALLOWED.
 MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION.

2K CERAMIC COATING
 Super Durable Utilizes Nano-Technology
 UV / Chemical / 300°C / 600°F Resistant

Perfect adhesion on:
 Fiberglass, Epoxy, Aluminum, Steel, Concrete, Stone, Wood, Acrylic, Gypsum.
Content:
 Color Solvent, PTFE, Activator, Chloroacetic Acid.
Finish:
 Glossy
 Sheen: 91/78 (20-100°)

Manufactured in Indonesia
 SINCE 2013
 4001 02001 04000 0000 0000
 4001 02001 04000 0000 0000

ISO 9001

TDS SDS

WARNINGS: FLAMMABLE - LIQID, VAPOR AND SPRAY MUST BE HARMFUL. EXPOSURE MAY CAUSE LONG-TERM ALLERGIC REACTION OR RESPIRATORY REACTION. MAY BE HARMFUL OR FATAL IF SWALLOWED. MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION.

GLOSS TRANSPARENT / COLORABLE TRANSPARENT

SCAN CODE

Video Application & (Test) Results

SGS TEST REPORTS
SCAN QR-CODE

TECHNICAL VIDEO
SCAN QR-CODE

TEST REPORT
EN 1504-2
SCAN QR-CODE

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: 41-86°F
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:



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.

Preparation

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 Reactivaing 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 coatings are ready to use, for certain spray applications, especially dark colors which require more color pigment than average, it may be necessary to use our SOLV thinner solvent to achieve optimal flowability.

How to use our UVA Coating System:

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

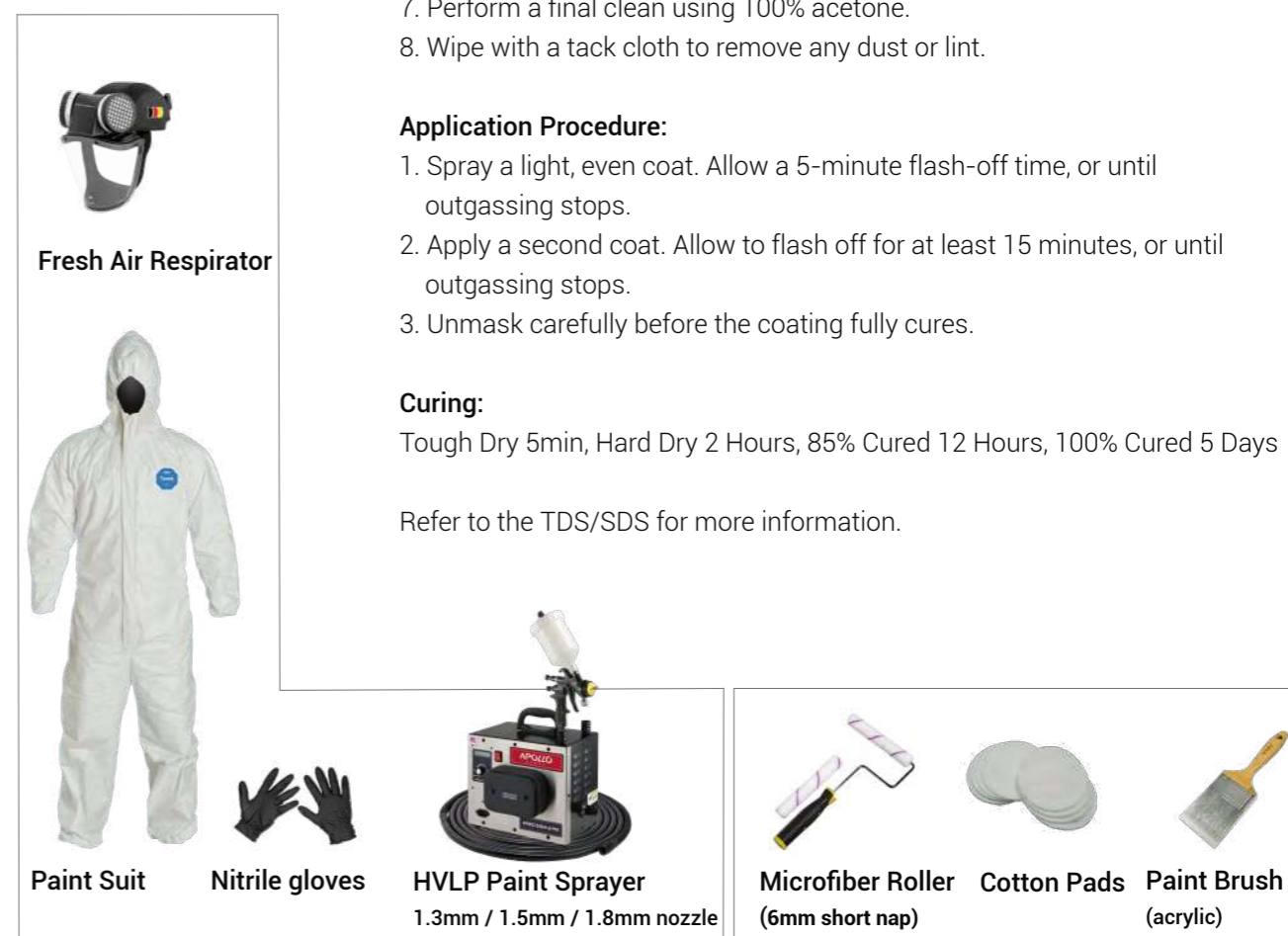
Processing Temperature:

Ambient temperature: 41-86°F
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:



Application Indormation:

Protect or Renew; Marble, Granite, Varnished wood, HPL, PVC or Vinyl laminate and Melamine. Creates an easy-to-clean, anti-scratch surface that is resistant to UV Discoloration, HF (Hydrofluoric Acid), Hydrochloric Acid, and Citric Acid.

Wipe Application; 1. Clean the surface 2. Sterilize the surface 3. Apply via the cotton pad an even layer 4. Let it cure.

Spray Application; Use an HVLP (High Volume Low Pressure) spray gun with 60-80% transfer efficiency. Fit the spray gun with a 1.0-1.3 mm fluid tip. Set air pressure to 20-30 psi.

Preparation Steps:

1. Stir the coating thoroughly for 30 seconds before use.
2. Prior to application, strain the mixed coating through a suitable paint filter (e.g., 190-250 µm) to ensure a clean, defect-free spray.
3. Wash and decontaminate the surface.
4. Wet sand / scuff using 1500-2000 grit sandpaper.
5. Mask off any parts not to be coated.
6. Ensure environmental conditions are below 65% humidity.
7. Perform a final clean using 100% acetone.
8. Wipe with a tack cloth to remove any dust or lint.

Application Procedure:

1. Spray a light, even coat. Allow a 5-minute flash-off time, or until outgassing stops.
2. Apply a second coat. Allow to flash off for at least 15 minutes, or until outgassing stops.
3. Unmask carefully before the coating fully cures.

Curing:

Tough Dry 5min, Hard Dry 2 Hours, 85% Cured 12 Hours, 100% Cured 5 Days

Refer to the TDS/SDS for more information.

NANO-CERAMIC®



WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



The Leader in Durability

Did you know that our Thin film Coatings are made from pure silica, which is one of the most common elements on Earth?

Dealer