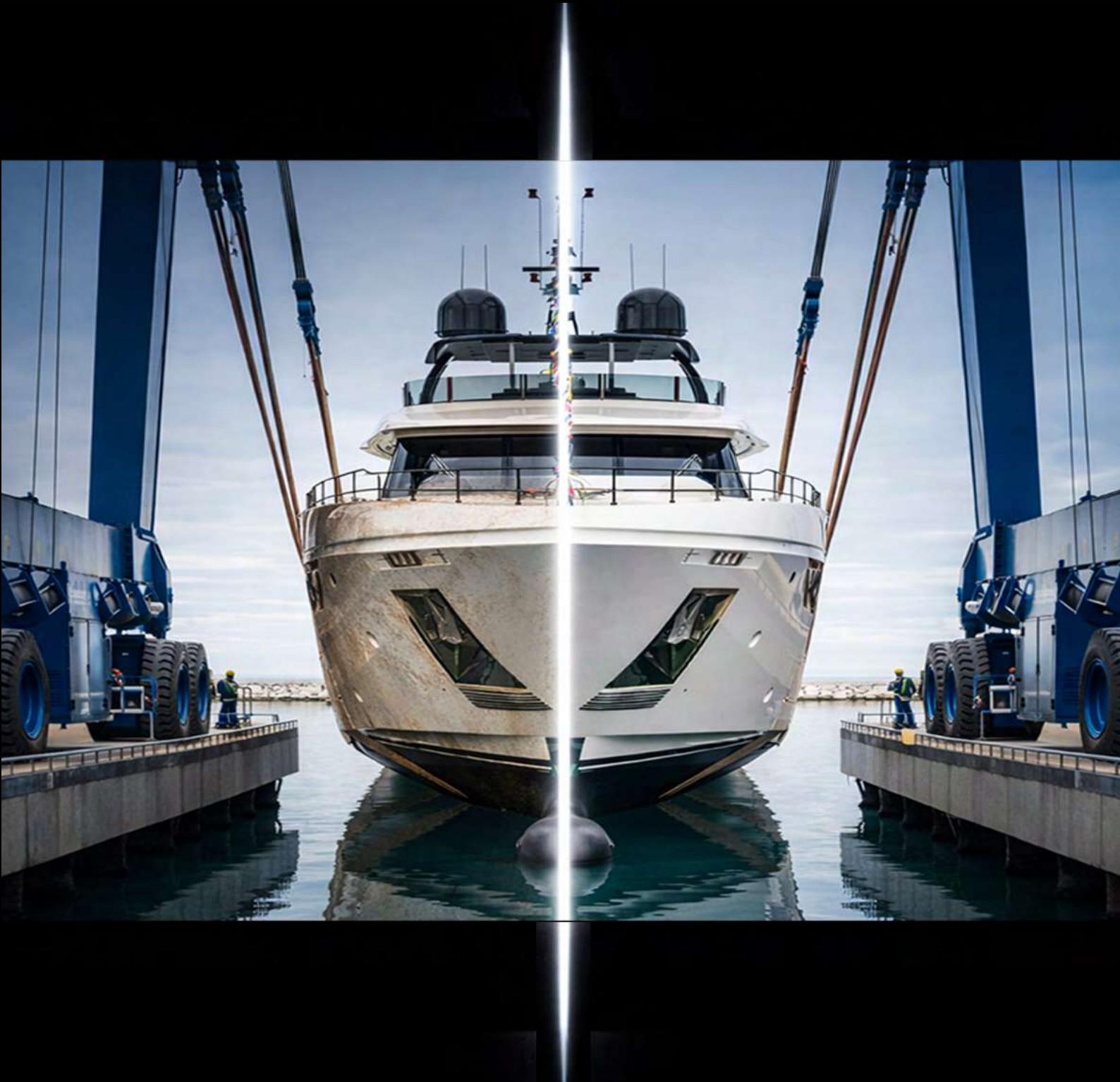


# NANO-CERAMIC®

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%.

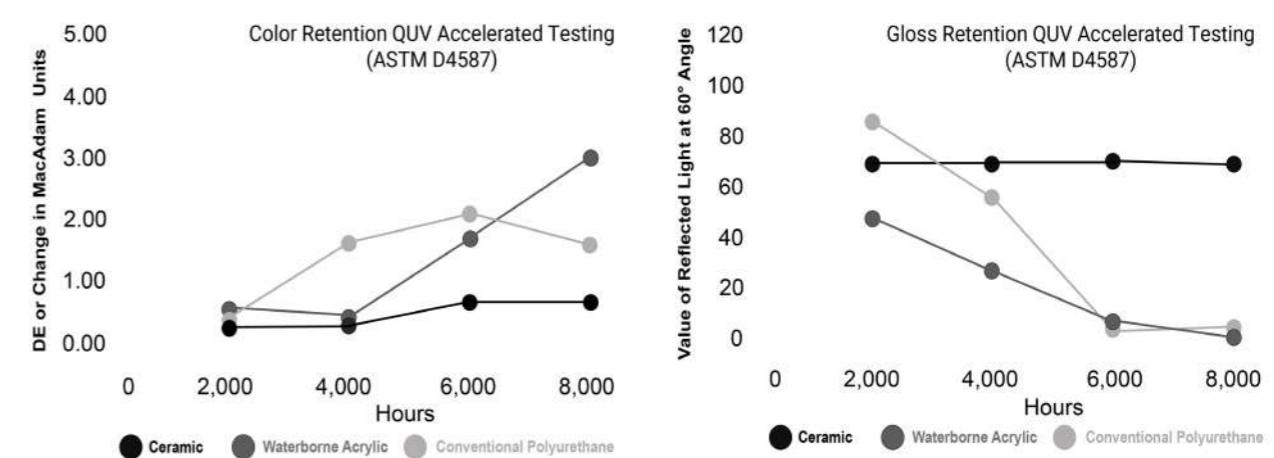
In a new analysis from IPTEK ITS 2023 concerning Drag Reduction, the following conclusions have been obtained. It was found that there was an increase in acceleration due to drag reduction on the ship model treated with a superhydrophobic coating, showing a 31% improvement compared to the non-coated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

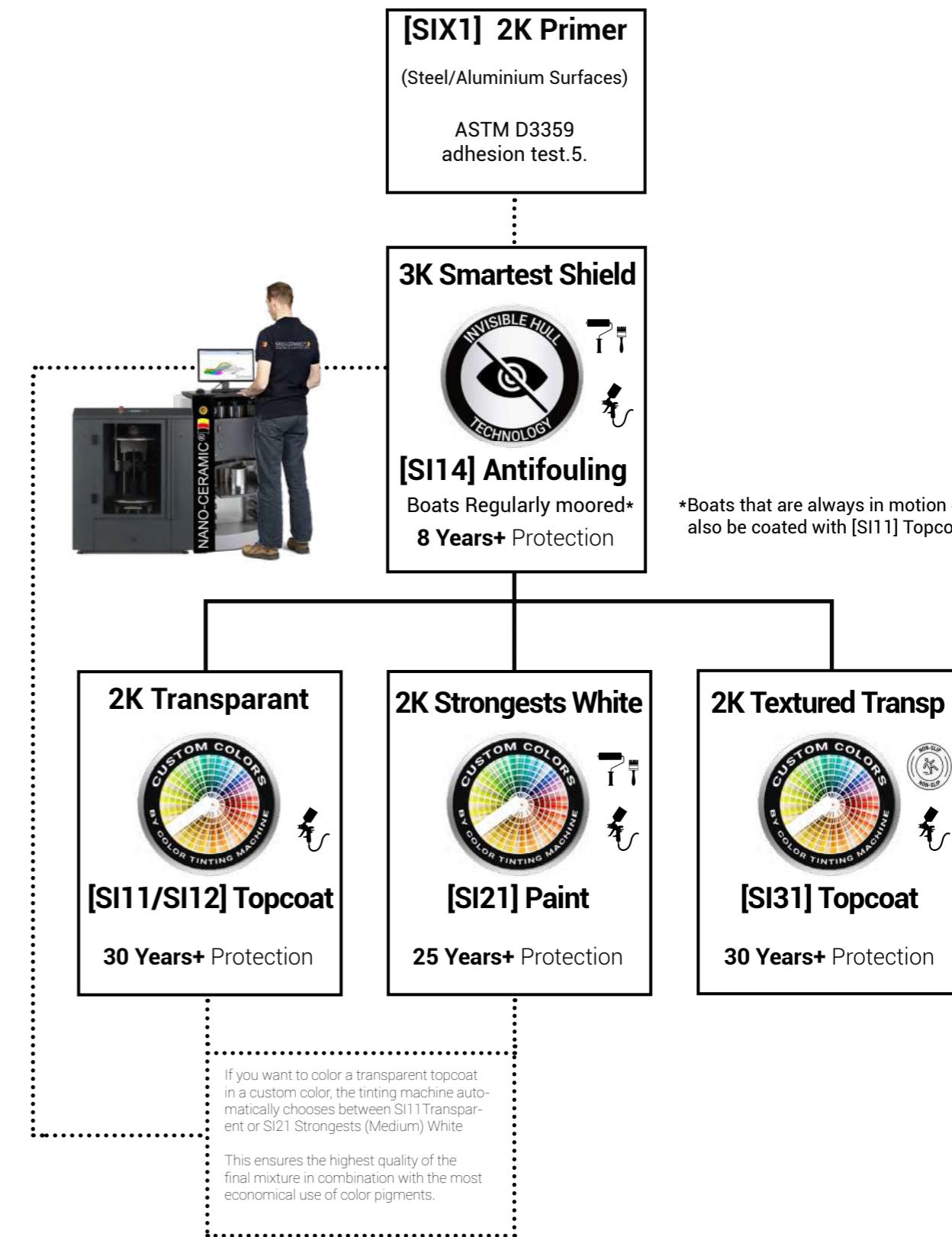
Conventional gelcoats are a mixture with Epoxy or Polyurethane resins, of which the quality of resin and pigments are the most important factor in the ultimate strength. Most have a lifespan of 15 years, with hardness, color and gloss retention (sun fading) and manual mixing towards consistent quality 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	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	No
Adhesion Strength	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>	Excellent
Cross Cut Test	<b>Poor</b>	<b>Poor</b>	Good	<b>Poor</b>	Excellent
Abrasion Resistance	<b>Poor</b>	<b>Poor</b>	<b>Average</b>	<b>Poor</b>	Excellent
UV Radiation Resistance	<b>Average</b>	<b>Average</b>	<b>Poor</b>	Good	Excellent
Artificial Atmospheric Agents	<b>Poor</b>	<b>Poor</b>	Good	Good	Excellent
Colour Retention	<b>Average</b>	<b>Average</b>	<b>Poor</b>	<b>Poor</b>	Excellent
Gloss Retention	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>	Excellent
Chemical Resistance	Good	Good	Good	<b>Poor</b>	Excellent
Severe Chemical Attack	<b>Poor</b>	<b>Poor</b>	<b>Average</b>	<b>Poor</b>	Excellent
Temperature Resistance	<b>140°F</b>	<b>196°F</b>	350°F	505°F	600°F
Thermal Shock Resistance	Good	Good	<b>Poor</b>	Good	Excellent
Carbon Dioxide Permeability	<b>Poor</b>	<b>Poor</b>	Good	<b>Poor</b>	Excellent
Permeability water vapour	<b>Average</b>	<b>Average</b>	Good	<b>Average</b>	Excellent
Water Absorption Rate	<b>5-15%</b>	<b>1%</b>	<b>2%</b>	<b>3%</b>	0%
Aging at 158°F	<b>Poor</b>	<b>Poor</b>	Good	<b>Average</b>	Excellent
Adhesion Strength Pull-off	<b>Poor</b>	<b>Average</b>	Good	<b>Poor</b>	Excellent
Impact Resistance	<b>Poor</b>	<b>Average</b>	Good	<b>Poor</b>	Excellent
Anti-Graffiti	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Anti-Termite (Wood)	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Hydrophobic Self Cleaning	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Easy to Clean	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Total Solar Reflectance (TSR)	<b>60</b> (white)	<b>60</b> (white)	60 (white)	<b>60</b> (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



How to use: Page 30

Product ID	: SI112000 67 oz / 4.2 lbs
Consumption	: 3 layers 0.06 lbs/ft <sup>2</sup> - 0.96 oz/ ft <sup>2</sup> = 3 mil/ 70 ft <sup>2</sup>
Reachable area	: 2 layers 0.04 lbs/ft <sup>2</sup> - 0.64 oz/ ft <sup>2</sup> = 2 mil/140 ft <sup>2</sup>
	: 1 layer 0.02 lbs/ft <sup>2</sup> - 0.32 oz/ ft <sup>2</sup> = 1 mil/210 ft <sup>2</sup>
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+



SI12

2-Component (2K)

## Topcoat Transparent

for matted surfaces



How to use: Page 30

Product ID	: SI112000 67 oz / 4.4 lbs
Consumption	: 3 layers 0.06 lbs/ft <sup>2</sup> - 0.96 oz/ ft <sup>2</sup> = 3 mil/ 70 ft <sup>2</sup>
Reachable area	: 2 layers 0.04 lbs/ft <sup>2</sup> - 0.64 oz/ ft <sup>2</sup> = 2 mil/140 ft <sup>2</sup>
	: 1 layer 0.02 lbs/ft <sup>2</sup> - 0.32 oz/ ft <sup>2</sup> = 1 mil/210 ft <sup>2</sup>
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+





# 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 <sup>2</sup> - 0.56 oz/ ft <sup>2</sup> = 3 mil/120 ft <sup>2</sup>
Reachable area	: 2 layers 0.030 lbs/ft <sup>2</sup> - 0.37 oz/ ft <sup>2</sup> = 2 mil/160 ft <sup>2</sup> : 1 layer 0.014 lbs/ft <sup>2</sup> - 0.19 oz/ ft <sup>2</sup> = 1 mil/240 ft <sup>2</sup>
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)

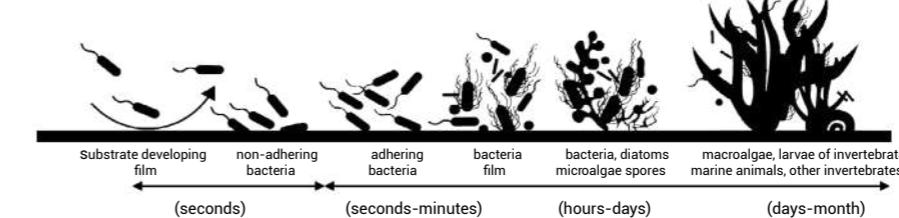
## The Smartest White black/red/blue/grey/transparent

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



How to use: Page 30

Product ID	: SI312000 67 oz / 4.6 lbs
Consumption	: 3 layers 0.050 lbs/ft <sup>2</sup> - 0.76 oz/ ft <sup>2</sup> = 3 mil/ 90 ft <sup>2</sup>
Reachable area	: 2 layers 0.033 lbs/ft <sup>2</sup> - 0.51 oz/ ft <sup>2</sup> = 2 mil/180 ft <sup>2</sup>
	: 1 layer 0.017 lbs/ft <sup>2</sup> - 0.25 oz/ ft <sup>2</sup> = 1 mil/270 ft <sup>2</sup>

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

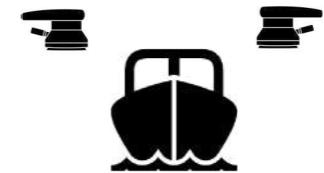
Expected Life Duration up to 30 years+

- 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



Step 1  
Washing



Step 2  
Polishing



Step 3  
Steril Cleaner



Step 4  
Basecoat  
Curing time: 2 hours  
after application

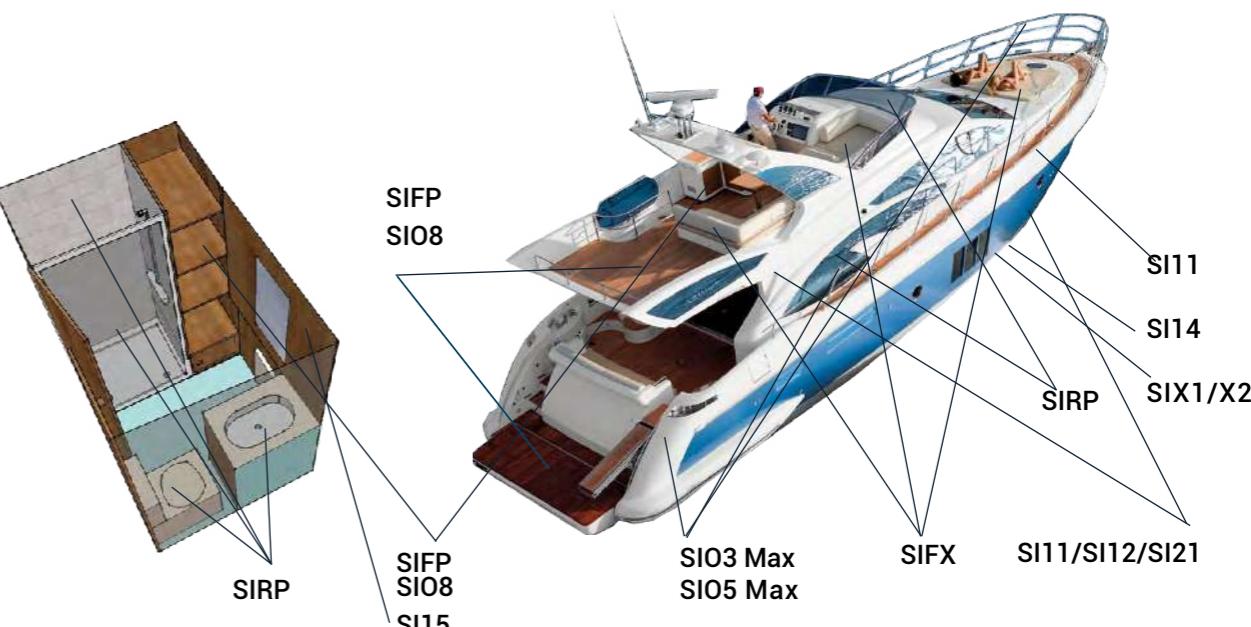


Step 5  
Nano Layer  
Hydrophobic  
Topcoat



Step 6  
Curing time:  
6 hours in  
ambient  
temperature

## Where to use our coatings:



## 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.



X-SMART  
Stabilizer plates

## 16 High Grade Coloring chemicals



Titanium White  
Masstone Tint 844-0061 1.05 gal



Quinacridone Red  
Masstone Tint 844-0451 32 oz



Scarlet Red  
Masstone Tint 844-0526 32 oz



Lead Free Orange  
Masstone Tint 844-0982 32 oz



Trans Red Oxide  
Masstone Tint 844-1054 32 oz



Red Oxide  
Masstone Tint 844-1063 32 oz



Burnt Umber  
Masstone Tint 844-1352 32 oz



Trans Yellow Oxide  
Masstone Tint 844-1852 32 oz



Yellow Oxide  
Masstone Tint 844-1863 32 oz



Lead Free Med Yellow  
Masstone Tint 844-2555 32 oz



Yellow  
Masstone Tint 844-2826 32 oz



Organic Yellow  
Masstone Tint 844-2852 32 oz



PHTHALO Green  
Masstone Tint 844-5558 32 oz



Quinacridone Violet  
Masstone Tint 844-9451 32 oz

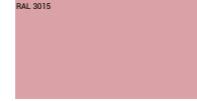
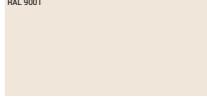
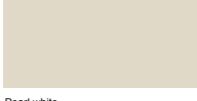
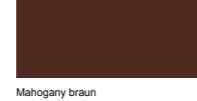


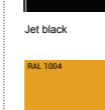
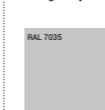
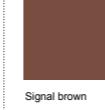
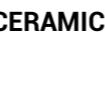
Lamp Black  
Masstone Tint 844-9955 32 oz

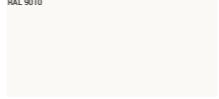
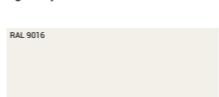


PHTHALO BLUE  
Masstone Tint 844-7262 32 oz

## Color card

Residential			Wood		
SI13 White Egg-Shell (Flat Finish) 15/25 (20/60°)	SI141 Textured White Semi Gloss 41/69 (20/60°)		SI11 Transparent Gloss 51/78 (20/60°)		
SI15 White Egg Shell (Flat Finish) 18/28 (20/60°)	SI142 Textured White Matte 11/21 (20/60°)		SI12 Transparent Matte 11/21 (20/60°)		
SI21 White Gloss 49/77 (20/60°)					
SI22 White Satin 33/59 (20/60°)					
Original	Original	Original	Original	Original	Original
					
Cool white	Cool white	Cool white	Light pink		
					
Cream white	Cream white	Cream white	Pastel blue		
					
Grey white	Grey white	Grey white	Pastell violet		
					
Signal white	Signal white	Signal white	Light green		
					
Signal black	Signal black	Signal black	Squirell grey		
					
Jet black	Jet black	Jet black	Pearl gold		
					
White aluminium	White aluminium	White aluminium	Pearl copper		
					
Grey aluminium	Grey aluminium	Grey aluminium	Pearl blackberry		
					
Pure white	Pure white	Pure white	Pearl gentian blue		
					
Graphite black	Graphite black	Graphite black	Pearl opal green		
					
Traffic white	Traffic white	Traffic white	Mahogany braun		

<b>Industrial</b>	
SI11 Transparent Gloss	51/78 (20/60°)
SI21 White Gloss	49/77 (20/60°)
SI22 White Satin	33/59 (20/60°)
	Transparent
	Luminescent yellow
	Traffic red
	Jet black
	Golden yellow [Cat]
	Leaf green [J.D Deere]
	Light grey
	Dark grey
	Silver grey
	Signal brown
	Pale brown

Marine		Military		Antifouling	
SI12 Transparent Matte	11/21 (20/60°)	SI31 Textured Transparent Semi Gloss	41/69 (20/60°)	SI14 Color	31/41 (20/60°)
SI41 Textured White Semi Gloss	41/69 (20/60°)	SI33 Textured Black	Semi Gloss	31/41 (20/60°)	
SI42 Textured White Matte	11/21 (20/60°)				
					
Original		Fire red		Light stone	
Cool white			Transparent matte		Transparent
					
RAL 9010		Burgundy		RAL 9005	
Pure white			Blue grey	Bronze green	Jet Black
					
Cream white		Platinum		Bruswick green	Signal Red
					
Distant blue		Jet Black		Dark sea grey	Ultra marine blue
					
Traffic yellow		Turquoise bleu		[RAF] Blue grey	Signal Grey
					
Silver gray		Light green		Desert sand	
					
Light ivory		Violet blue		Camo beige	
					
Pure white		Light blue		Dark grey camo	
					
Cream		Ultramarine blue		Dark brown camo	
					
Beige		Sapphire blue		Olive drap	
					
Olive yellow		Signal blue		Very dark drap	



## 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:

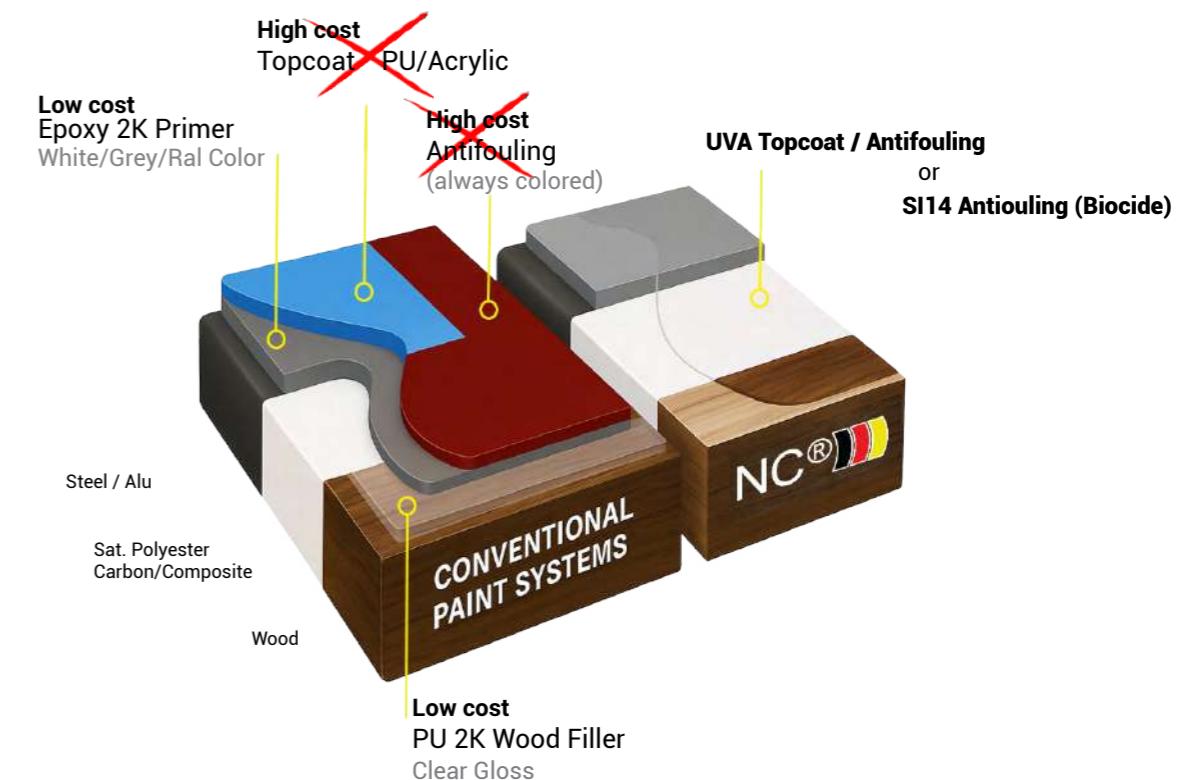
- Yachts & Boats – Hulls, decks, topsides, and superstructures
- Speedboats – UV protection and ultra-slick finish for high-performance watercraft
- Marine Infrastructure – Docks, piers, pontoons, and submerged structures
- Ship Interiors – Tables, countertops, cabins, walls, and decorative panels
- 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  $\mu\text{m}$  (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  $\pm 0.025 \text{ lbs/ft}^2$  per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one liter covering up to 800  $\text{ft}^2$ .

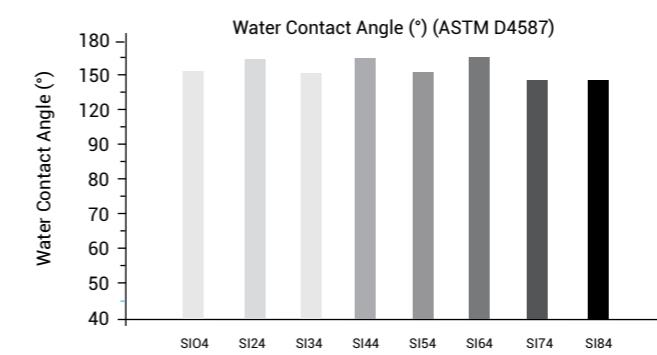
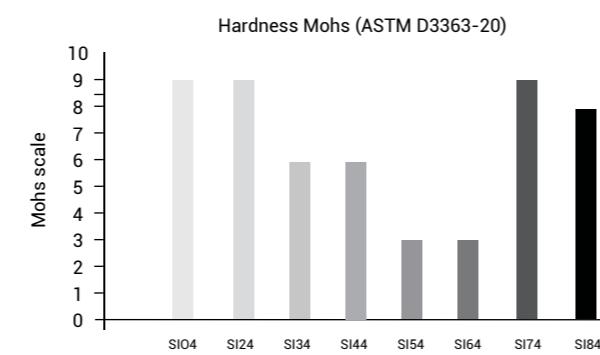
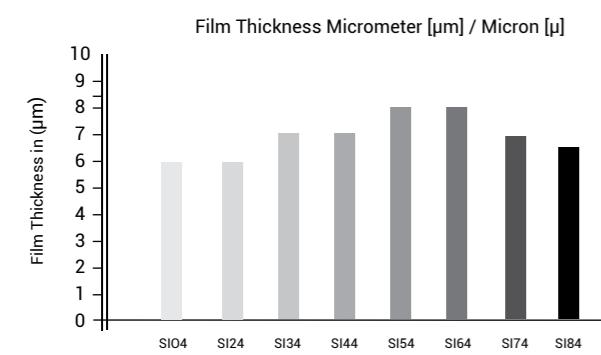
## Color Tinting Option for Marine Applications

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





APPLY  
VIDEO  
SCAN  
QR CODE



# S104

1-Component (2K)

## Topcoat Transparent for glossy surfaces

**Product ID** : S1041LUVA 32 oz / 2.03 lbs S10405UVA 16 oz / 1 lbs  
**Consumption** : 3 layers +/- 0.075 lbs/ft<sup>2</sup> - 0.12 oz/ft<sup>2</sup> 18 micron = 200 ft<sup>2</sup>  
**Reachable area** : 2 layers +/- 0.050 lbs/ft<sup>2</sup> - 0.08 oz/ft<sup>2</sup> 12 micron = 400 ft<sup>2</sup>  
: 1 layer +/- 0.025 lbs/ft<sup>2</sup> - 0.04 oz/ft<sup>2</sup> 6 micron = 800 ft<sup>2</sup>

**Hardness/Cupping** : H9 / Flexibility ISO 1520 >21mm

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

**Application field** : Marine, exteriors, antifouling interiors

S104 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

# S124

1-Component (1K)

## Topcoat Transparent for matte surfaces

**Product ID** : S1241LUVA 32 oz / 2.13 lbs S12405UVA 16oz / 1.05 lbs  
**Consumption** : 3 layers +/- 0.075lbs/ft<sup>2</sup> - 0.12oz/ft<sup>2</sup> 18 micron = 200ft<sup>2</sup>  
**Reachable area** : 2 layers +/- 0.050lbs/ft<sup>2</sup> - 0.08oz/ft<sup>2</sup> 12 micron = 400ft<sup>2</sup>  
: 1 layer +/- 0.025lbs/ft<sup>2</sup> - 0.04oz/ft<sup>2</sup> 6 micron = 800ft<sup>2</sup>

**Hardness/Cupping** : H9 / Flexibility ISO 1520 >21mm

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

**Application field** : Marine, exteriors, interiors

S104 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



TEST  
REPORT  
SCAN QR  
CODE

## 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**



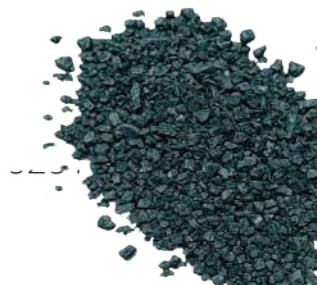
**YELLOW** UVAYE0100  
 Masstone to Transparent Tint  
 S2184 **0.32 oz**



**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**



APPLY  
VIDEO  
SCAN  
QR CODE

# 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/ft<sup>2</sup> - 0.7oz/ft<sup>2</sup> 80 micron = 50 ft<sup>2</sup>

**Reachable area** : 1 layer +/- 0.26 lbs/ft<sup>2</sup> - 0.4oz/ft<sup>2</sup> 40 micron = 100 ft<sup>2</sup>

**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

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



Fast  
Repaintable



Excellent  
adhesion

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/ft<sup>2</sup> - 0.7 oz/ft<sup>2</sup> 60 micron = 60 ft<sup>2</sup>

**Reachable area** : 1 layer +/- 0.22 lbs/ft<sup>2</sup> - 0.4 oz/ft<sup>2</sup> 30 micron = 120 ft<sup>2</sup>

**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.



# SIX3

2-Component (2K)

## Primer PU Wood Filler

surface modifier - absorbtion reducer

**Product ID** : SIX31500 51 oz / 3.3 lbs  
**Consumption** : 2 layers +/- 0.40 lbs/ft<sup>2</sup> - 0.6 oz/ft<sup>2</sup> 60 micron = 80 ft<sup>2</sup>  
**Reachable area** : 1 layer +/- 0.20 lbs/ft<sup>2</sup> - 0.3 oz/ft<sup>2</sup> 30 micron = 120 ft<sup>2</sup>  
**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**



# 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/ft<sup>2</sup> - 0.7 oz/ft<sup>2</sup> 80 micron = 50 ft<sup>2</sup>  
**Reachable area** : 1 layer +/- 0.26 lbs/ft<sup>2</sup> - 0.4 oz/ft<sup>2</sup> 40 micron = 100 ft<sup>2</sup>  
**Hardness** : H3  
**Colors** : White, Grey or RAL (RAL Minimum Order 250 pcs 1gal)  
**Used on** : Concrete, wood, drywalls and old waterbased paints  
**Application area** : Buildings, walls and ceilings indoor or outdoor



-  **Fast Repaintable**
-  **Excellent adhesion**
-  **VOC Free**



# 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
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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

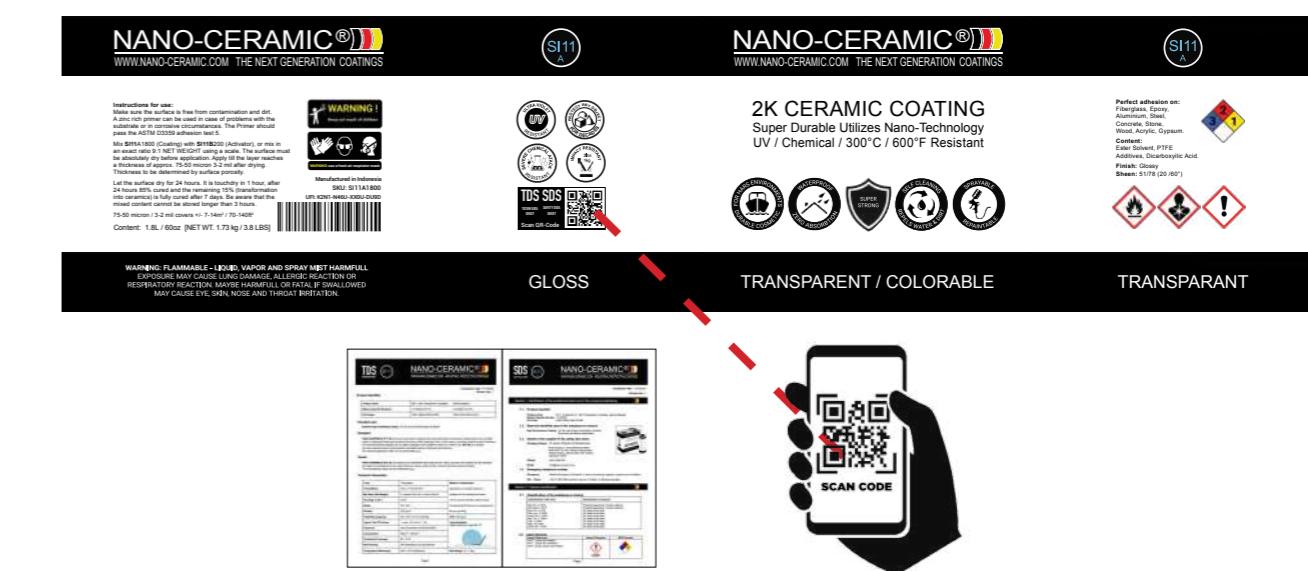
Product ID	: RETA0400 14 oz / 0.85 lbs	ACCL0200 7 oz / 0.4 lbs
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If your application need longer flash time (longer time to build up the layer with a second or third coat you can add the RETA Retarder.

In case you want to speed up the curing process you can add the ACCL Accelerator.

## Scan QR Code for TDS and SDS



## Video Application & (Test) Results



## 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:



Fresh Air Respirator



Paint Suit



Nitrile gloves



HVLP Paint Sprayer  
1.3mm / 1.5mm / 1.8mm nozzle



Microfiber Roller (6mm short nap)  
Paint Brush (acrylic)

## 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:



Fresh Air Respirator



Paint Suit



Nitrile gloves



HVLP Paint Sprayer  
1.3mm / 1.5mm / 1.8mm nozzle



Microfiber Roller (6mm short nap)  
Cotton Pads (6mm short nap)  
Paint Brush (acrylic)

### 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**