

NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



Public Transport Clean & Protect

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 (PFAS Free) and 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 paint.



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 vehicle's factory paint, which can be permanently etched and damaged by these substances.

NANO-CERAMIC Thin Film Coating provides advanced protective barriers to your train body and hull surfaces, maintaining both high-gloss and matte finishes.

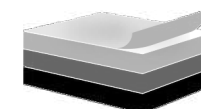
What are the benefits of applying NANO-CERAMIC Thin Film Coating?

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

Clearcoat, Glass hull and body materials can be treated with one of our CERAMIC Thin Film Coating 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 1500°F



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



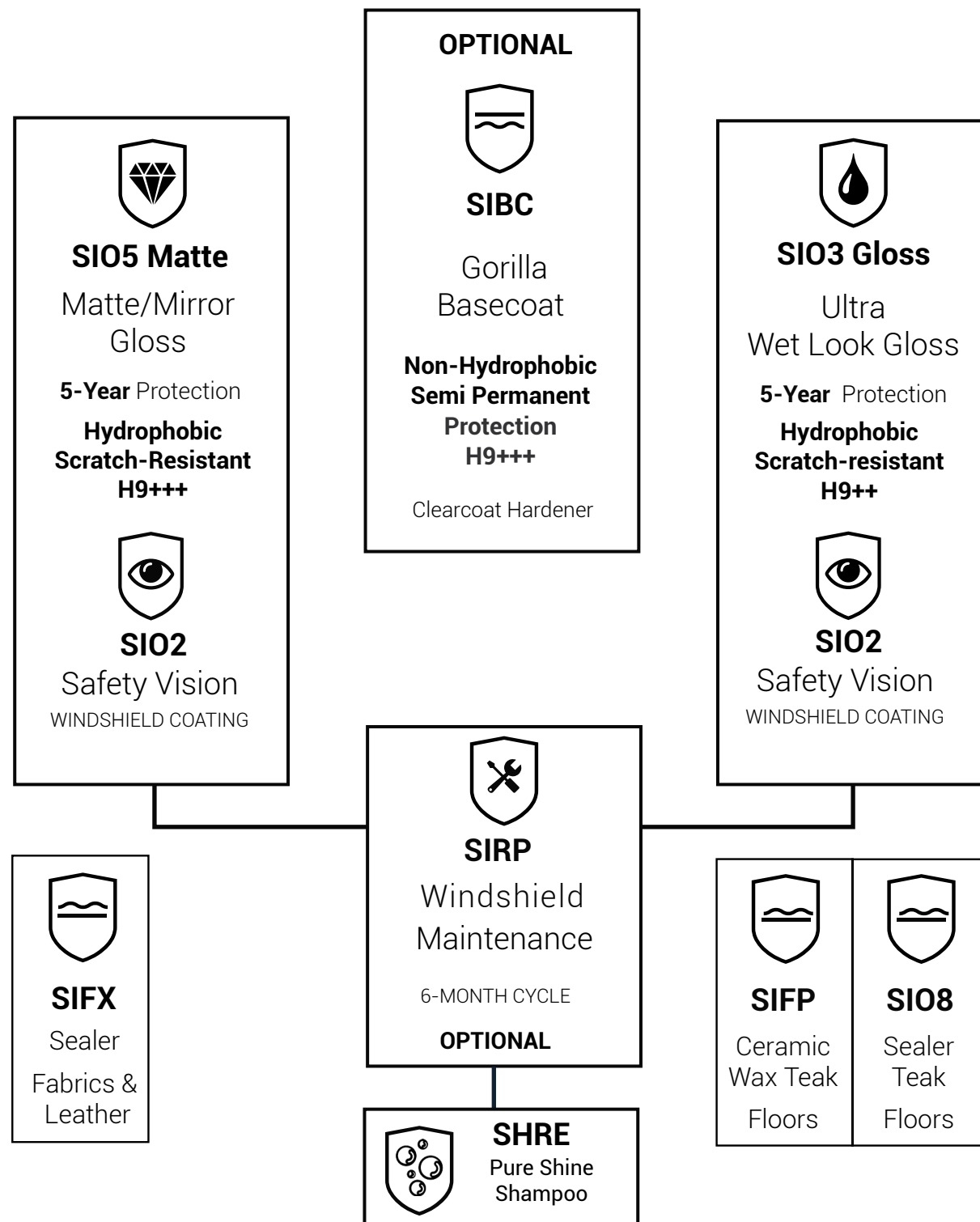
Step 2 Decontamination and polishing the gelcoat to produce a smooth and even surface.



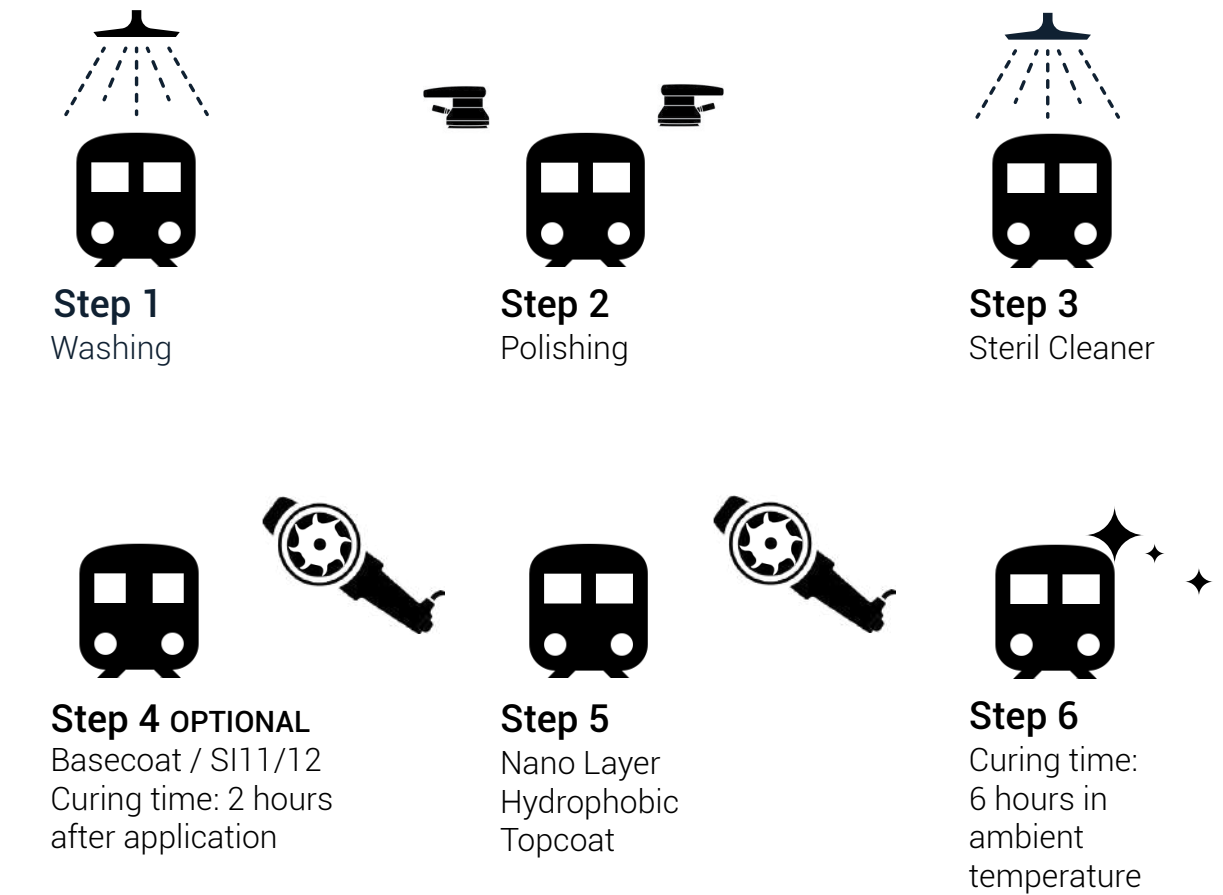
Step 3 Restoration of coating thickness with a super-durable layer of NANO-CERAMIC



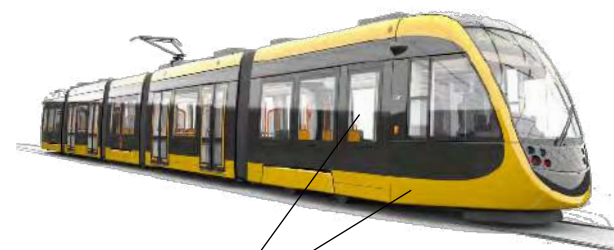
Thin Film Protection Plan for Trains



Thin Film Maintenance Plan for Trains



Where to use Thin Film coatings:



SI02
SI03/SI05 [SIBC Optional]



Jetpack
VideoPress



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SIO3 GLOSS

Body & Windshield Protection for clearcoat & glass

Product ID : SIO31A00 32 oz 6 Micron SIO21A00 32 oz 2 Micron
Consumption : +/- 0.007 oz/ft²
Reachable area : +/- 5.000 ft² body + 5.000 ft² Windshield
Used for : Clearcoat, acrylic, glass, chrome, stainless
Application field : Public Transport

Your Fleet will stand out! These Kit-Sets contain all to make trucks and busses protected with a High-Tech ceramic layer.

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

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.

Expected Life Duration up to 5 Years+ (2 Years on Glass)



How to use: Page 45

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

Applicator:



APPLY
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SIO5 MATTE

Body & Windshield Protection for clearcoat & glass

Product ID : SIO51A00 32 oz 2 Micron HD SIO21A00 32 oz 2 Micron
Consumption : +/- 0.007 oz/ft²
Reachable area : +/- 5.000 ft² body + 5.000 ft² Windshield
Used for : Clearcoat, acrylic, glass, chrome, stainless
Application field : Public Transport

Your Fleet will stand out! These Kit-Sets contain all to make trucks and busses protected with a High-Tech ceramic layer.

- Two simple steps: Clean with our Steril Cleaner and Apply
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- Protects your investment**

Applicator:





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STEP

One Step Polish

for scratch removal

Product ID : STEP0250 8.5 oz
Consumption : 0.017 oz/ft²
Used for : Clearcoat, gelcoat, glass and acrylic
Application field : Public Transport



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

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

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

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

The pad serie is available 5.5 inch and 3 inch.



Cut polish costs



Zero swirl and hologram

Applicator:



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CLEAN

Steril Cleaner

for hard surfaces

Product ID : CLEAN0500 16 oz / CLEAN5000 1.32 gal
 CLEAN020L 5 gal
Consumption : +/- 0.01 oz/ft²
Used for : Clearcoat, gelcoat, glass, chrome, mirrors
Application field : Public Transport



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

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

100% Steril



Easy to apply spray & wipe



Indoor Outdoor



Remove grease



100% Steril



No streaking

Applicator:





APPLY
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SCRUB

Scrub Cleaner for hard surfaces

Product ID : SCRUB0250 16 oz / SCRUB5000 1.32 gal
SCRUB020L 5 gal

Consumption : +/- 0.007 oz/ft²

Used for : Hard surfaces

Application field : Public Transport

Scrub Pretreatment Cleaner is a smooth rubbing compound, suitable for scrubbing glass, steel, porcelain and many other materials without scratching the surface.

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

Leaves no scratches behind after treatment



Non-scratching

Applicator:



APPLY
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SIRP

Repellent Protector for glass / ceramics / mirrors

Product ID : SIRP0500 16 oz SIRP5000 1.32 gal
SIRP020L 5 gal

Consumption : +/- 0.007 oz/ft²

Used for : Glass, acrylic, aluminium chrome, vinyl

Application field : Public Transport

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.

Expected Life Duration up to 12 washes



Easy to apply



Indoor
Outdoor



Cut cleaning costs



Anti-water spot



Super
hydrophobic



Self-cleaning
Stays cleaner longer



Visibility
Safety

Applicator:





MPCL

Multi Purpose Cleaner for all interior surfaces

Product ID	: MPCL0500 16 oz / MPCL5000 1.32 gal MPCL020L 5 gal
Consumption	: +/- 0.017 oz/ft ²
Used for	: Cleaning all surfaces
Application field	: Public Transport

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



Spills are easy
to remove



Cleaner for longer

Safe to use does not harm the surface



SHRE

Pure Shine Shampoo for all exterior surfaces

Product ID	: SHRE1000 32 oz / SHRE5000 1.32 gal SHRE020L 5 gal
Consumption	: 0.7 oz : 2.5 gal Water
Application field	: Public Transport

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.



Easy to apply



Easy to clean



Stays cleaner
longer



Food grade

Applicator:



Dilution ratio 1: 500 (super economical)

What is NANO-CERAMIC UVA Topcoat?

NANO-CERAMIC® UVA Topcoat is an innovative low-VOC, non-PFAS, sprayable protective coating designed especially for the demanding conditions of trucks and buses. This self-leveling system forms an ultra-hard, glass-like hydrophobic barrier that delivers superior protection and a sleek, high-gloss finish.

Engineered for extreme durability, UVA Topcoat resists harsh weather, intense UV radiation, road salts, and aggressive chemicals commonly encountered in train transport. It is fully safe and compliant for use on passenger and cargo vehicles—including food-contact areas—ensuring both safety and performance.

Powered by cutting-edge nanotechnology, UVA Topcoat extends the service life of critical surfaces such as polyester, epoxy, polyurethane, acrylic resins, steel, aluminum, composites, and wood. It effectively prevents corrosion, surface degradation, and environmental wear—making it the ideal all-in-one solution to protect truck and bus exteriors, cargo areas, canopies, and interiors.

Why UVA Topcoat is a Game-Changer in 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.

Superior Performance at the Lowest Cost.

UVA Topcoat isn't just another coating—it's a next-generation solution designed to simplify and reduce costs in train maintenance. By replacing complex, multi-layer systems with a single, high-performance layer, it streamlines your coating process. Applied directly over existing automotive paints and materials, UVA Topcoat eliminates the need for expensive refinishing or additional topcoats, saving both time and money. Its advanced chemistry and ease of application make traditional coating systems obsolete for vehicle exteriors, cargo areas, canopies, and more.

Whether protecting heavy-duty carrosseries or outhur body, UVA Topcoat simplifies your workflow and maximizes value—demonstrating that outstanding durability and protection don't have to come with a premium price.

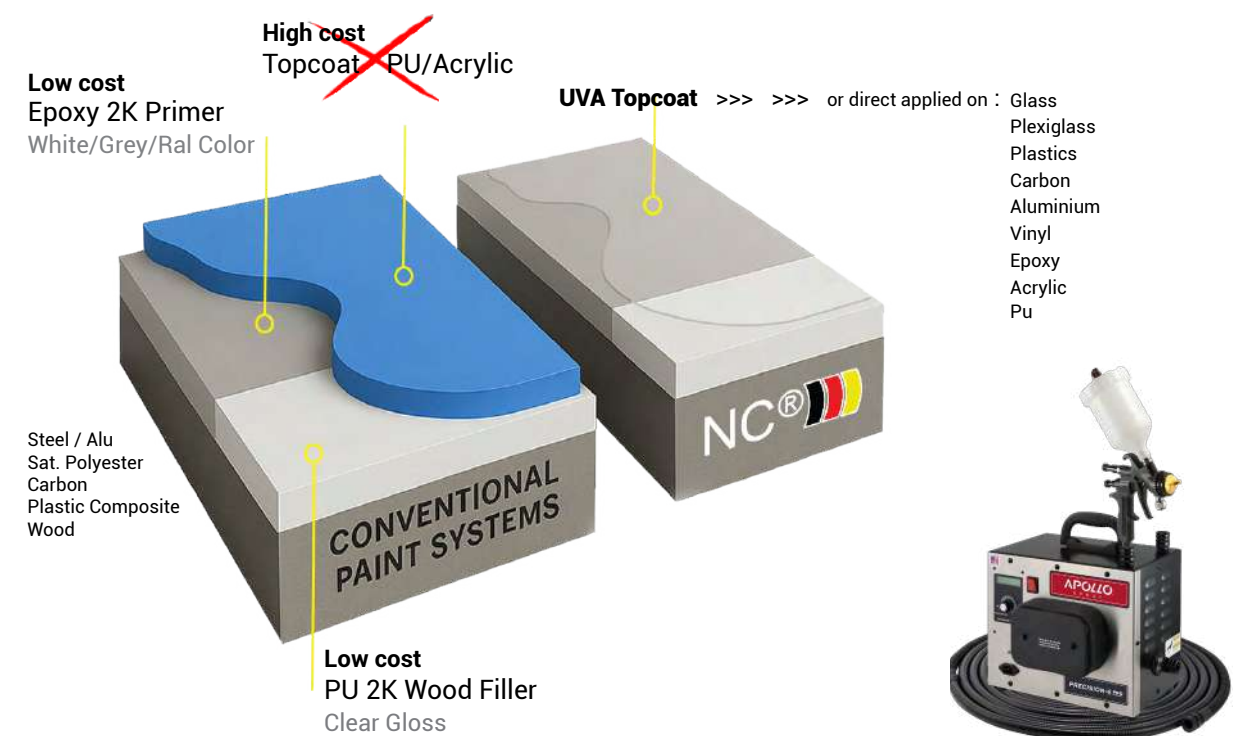
Where can UVA Topcoat be used?

UVA Topcoat is highly versatile and ideal for a wide range of train applications:

- Exteriors – Body panels, bumpers, roofs, for durable protection
- Cargo Areas – Beds, storage compartments, and canopy coverings with chemical and abrasion resistance
- Interiors – Dashboards, seats, walls, and floors for easy cleaning and long-lasting finish
- Chassis and Undercarriage – Protection against corrosion, road salts, and harsh weather

Compatible with both new trains, maintenance and retrofits, UVA Topcoat adapts to various materials and tough operating conditions common in railroad transportation.

How it Works



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

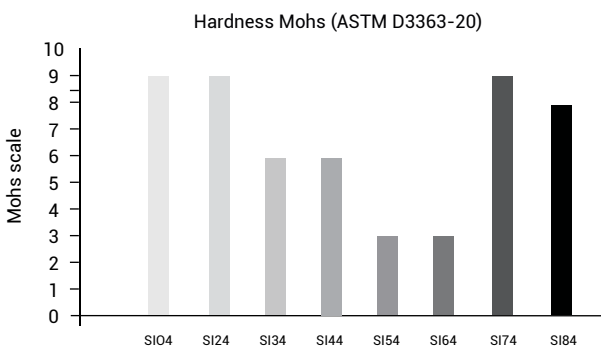
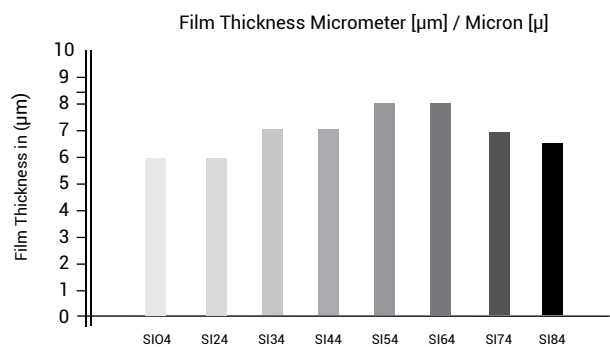
UVA Topcoat is engineered for maximum efficiency with minimal material use—delivering high-performance protection at a fraction of the volume required by traditional coatings.

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 customized aesthetics, UVA Topcoat can be tinted using our colorants on pages 22–23. These high-performance, solvent-free pigments deliver long-lasting color stability and excellent UV resistance—ideal for train exteriors, interiors, and cargo areas where both protection and appearance are essential.

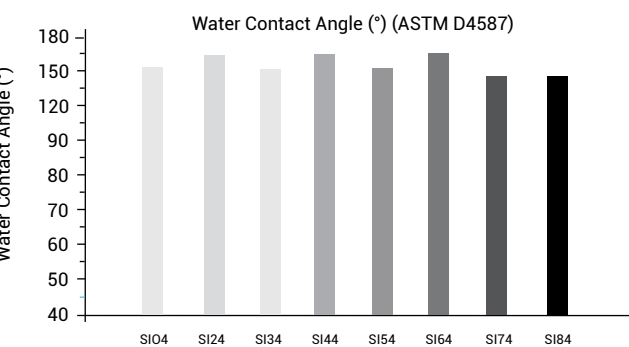
Perfect for any visible surface requiring a durable, colored finish without compromising the coating's hydrophobic and chemical-resistant properties.



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





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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/ft² - 0.12 oz/ft² 18 micron = 200 ft²
Reachable area : 2 layers +/- 0.050 lbs/ft² - 0.08 oz/ft² 12 micron = 400 ft²
 : 1 layer +/- 0.025 lbs/ft² - 0.04 oz/ft² 6 micron = 800 ft²
Hardness/Cupping : H9 / Flexibility ISO 1520 >0.8"
Used for : Body panels, aluminium chrome, plastics, vinyl
Application field : Railroad Transportation

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)



Easy to apply
Repaintable



Cut maintenance costs



Anti-water spot
Anti-corrosion



Permanent hydrophobic



Self-cleaning
Cleaner for longer



Anti-scratch



Impact Resistance
30"-2lbs



Protects your investment

How to use: Page 46



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SI24

1-Component (1K)

Topcoat Transparent for matte surfaces



Product ID : SI241LUVA 32 oz / 2.13 lbs SI2405UVA 16 oz / 1.05 lbs
Consumption : 3 layers +/- 0.075 lbs/ft² - 0.12 oz/ft² 18 micron = 200 ft²
Reachable area : 2 layers +/- 0.050 lbs/ft² - 0.08 oz/ft² 12 micron = 400 ft²
 : 1 layer +/- 0.025 lbs/ft² - 0.04 oz/ft² 6 micron = 800 ft²
Hardness/Cupping : H9 / Flexibility ISO 1520 >0.8"
Used for : Body panels, aluminium chrome, plastics, vinyl
Application field : Railroad Transportation

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 4-16 or 24 Years (layer thickness)



Easy to apply
Repaintable



Cut maintenance costs



Anti-water spot
Anti-corrosion



Permanent hydrophobic



Self-cleaning
cleaner for longer



Anti-scratch



Impact Resistance
30"-2lbs



Protects your investment

How to use: Page 46



Multi-Grade Color Protection — Super Transparent

For boats where weight, speed, and durability matter, our advanced hybrid coating system offers a breakthrough: vibrant transparent tints or metallic finishes without sacrificing performance. By blending NANO-CERAMIC® Super Transparent Colorants into our UVA Topcoat, you get:

Ultra-thin coating (<15 microns) = minimal weight
 H9 surface hardness = max scratch resistance
 Hydrophobic & anti-fouling = fast cleaning, less drag
 UV & salt resistant = marine-grade longevity
 Clear or colored: keep visibility through glass or plexi
 Optional metallic effect for custom marine finishes

Perfect for:

Plexiglass hatches & windscreens
 Cabin glass, partitions, skylights
 Carbon fiber panels & consoles
 Stainless/aluminum trims & detailing



TR.OXIDE YELLOW A-2R 130
 Masstone
 Tint
 77492-1 **3.2 oz**



TRANSOXIDE RED A-G 130
 Masstone
 Tint
 77491-1 **3.2 oz**



YELLOW A-N4G 100-ST
 Masstone
 Tint
 279376 **3.2 oz**



RED A-P2Y 100-ST
 Masstone
 Tint
 289404 **3.2 oz**



PINK A-EB 100-ST
 Masstone
 Tint
 287516 **3.2 oz**



BLUE A-BTR 100-ST
 Masstone
 Tint
 290247 **3.2 oz**



BLUE A-BTG 100-ST
 Masstone
 Tint
 275536 **3.2 oz**



GREEN A-GBX 100-ST
 Masstone
 Tint
 323291 **3.2 oz**



BLACK A-NB 100-ST
 Masstone
 Tint
 289518 **3.2 oz**



BLACK A-NY 100-ST
 Masstone
 Tint
 272060 **3.2 oz**



YELLOW A-F2G 100
 Masstone
 Tint
 11785 **3.2 oz**



YELLOW A-H3G 100
 Masstone
 Tint
 11781 **3.2 oz**



YELLOW A-HRD 100
 Masstone
 Tint
 21108 **3.2 oz**



ORANGE A-HLD 100
 Masstone
 Tint
 11780 **3.2 oz**



RED A-D3GD 130
 Masstone
 Tint
 56110 **3.2 oz**



PINK A-E 130
 Masstone
 Tint
 73915 **3.2 oz**



RED VIOLET A-ER 130
 Masstone
 Tint
 73900 **3.2 oz**



VIOLET A-RL 100
 Masstone
 Tint
 51319 **3.2 oz**



BLUE A-BG 100
 Masstone
 Tint
 74160 **3.2 oz**



GREEN A-GNX 130
 Masstone
 Tint
 74260 **3.2 oz**



BLACK A-N 100
 Masstone
 Tint
 77266 **3.2 oz**



OXIDE YELLOW A-BV 100
 Masstone
 Tint
 771740 **3.2 oz**



OXIDE YELLOW A-CR 100
 Masstone
 Tint
 77310 **3.2 oz**



OXIDE YELLOW A-R 100
 Masstone
 Tint
 77492 **3.2 oz**



OXIDE RED A-B 100
 Masstone
 Tint
 77491 **3.2 oz**



WHITE A-R 100
 Masstone
 Tint
 77891 **3.2 oz**

Lightweight, Ultra-Hard, Built for Speed. Opaque Ral

This coating system enhances both performance and aesthetics — making trains, MRT and MRT longer lasting, cleaner, safer and more refined.

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.

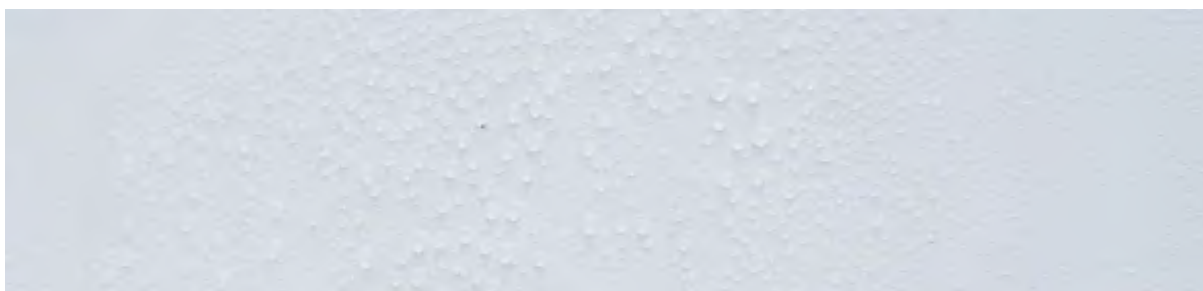
NANO-CERAMIC permanent coating is 600°F resistant and more than 6 times stronger than traditional acrylic based paint finishes, and is effectively preventing damage that would otherwise affect the appearance and integrity of the original surface.

Zero Maintenance for 3 decades to come!

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

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

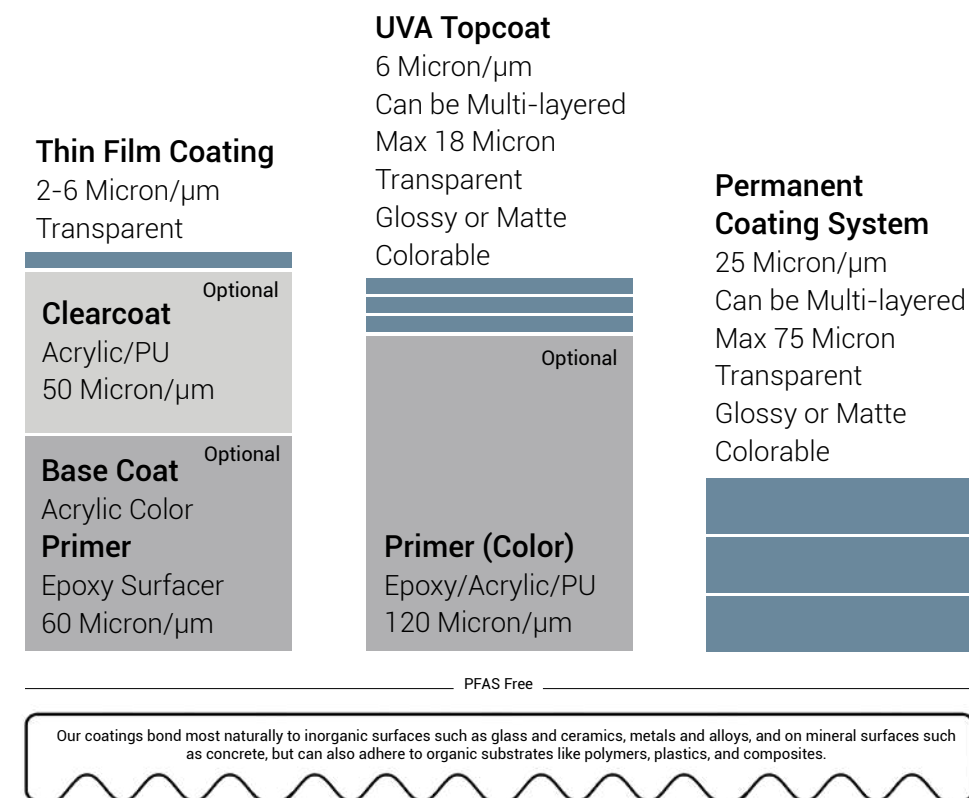
The NANO-CERAMIC permanent coating can be applied directly or indirectly on all kinds of interior and /or exterior surfaces (absorbing and non-absorbing), such as steel, aluminium acrylic, composites and many more.



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.

Cross Sections of NC® Coating Systems



Conventional paint

Conventional gelcoats are a mixture with Epoxy or polyester 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 and color retention (sun fading) being the most common problems in keeping the desired object at an aesthetically pleasing level.

There is no better option than protecting your trains with a NANO-CERAMIC Thin Film or Permanent Coating!

Do not wait till the surface get worse, most easy is to apply wipe or spray when the surfaces are still in new or in nearly new condition and the cost do not outweigh the benefits



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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	: Body panels, aluminium chrome, plastics, vinyl
Application field	: Railroad Transportation

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 47



Easy to apply



Cut cleaning costs



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
stays cleaner longer**



Anti-scratch



**Save on fuel
Save on repaints**



**Protects your
investment**



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SI12

2-Component (2K)

Topcoat Transparent for matte surfaces

Product ID	: SI122000 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	: Body panels, aluminium chrome, plastics, vinyl
Application field	: Railroad Transportation

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 47



Easy to apply



Cut cleaning costs



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
stays cleaner longer**



Anti-scratch



**Save on fuel
Save on repaints**



**Protects your
investment**



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	: Stations, bridges, 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
- Graffiti will be easy to remove.
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 30 years+.



How to use: Page 47



SI21

2-Component (2K)

Paint 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	: Stations, bridges, 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.

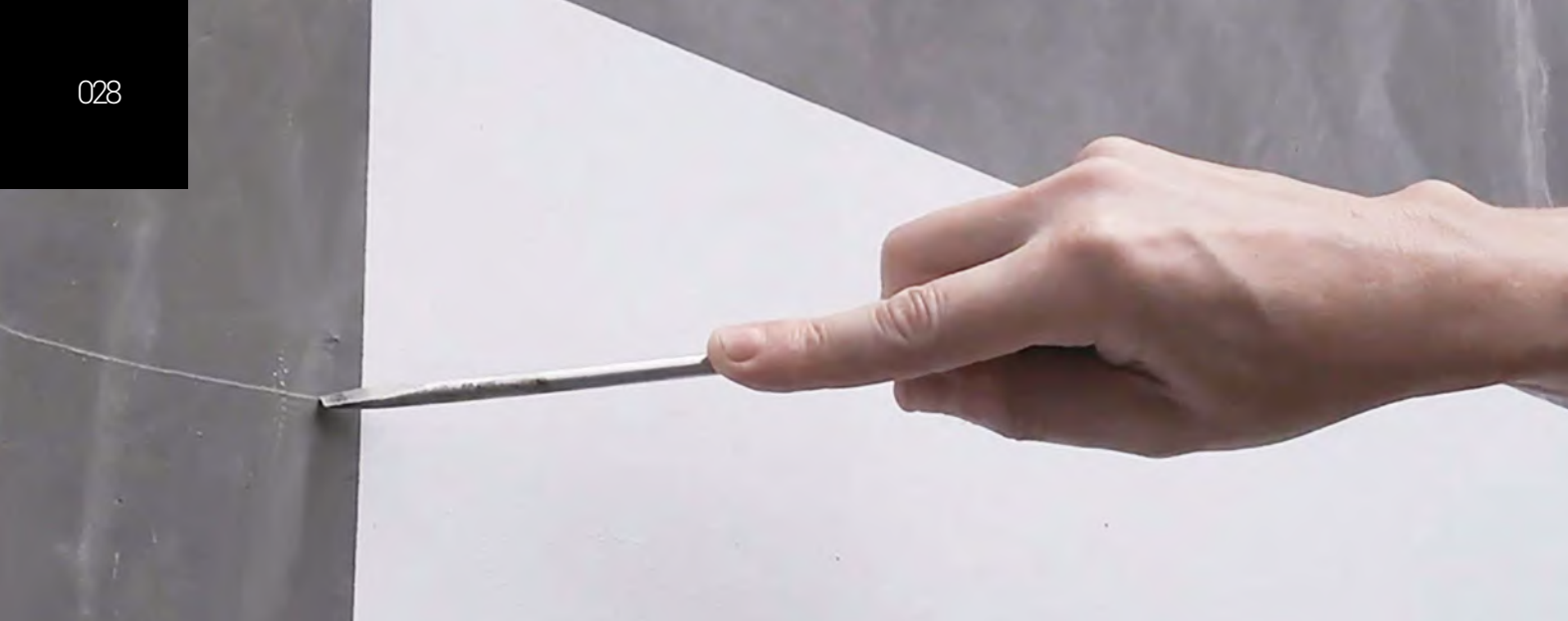
- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water or dirt
- Resistant to all kinds of chemicals and UV radiation
- Graffiti will be easy to remove
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 25 year+.



How to use: Page 47





SI13

2-Component (2K)

Paint Coolest White for egg-shell surfaces

Article Nr.	: SI132000 67 oz / 7.3 lbs
Consumption	: 2 layers 0.050 lbs/ft² - 0.48 oz/ ft² = 3.5 mil/140 ft²
Reachable area	: 1 layers 0.025 lbs/ft² - 0.24oz/ ft² = 1.8 mil/280 ft²
Hardness	: H7
Used for	: Concrete, steel, wood, acrylic, gypsum
Application field	: Stations, tunnels, interiors, exterior overhang ceilings.

SI13 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 47

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



SI15

1-Component (1K)

Paint Coolest White for egg-shell surfaces

Article Nr.	: SI152000 67 oz / 6.6 lbs
Consumption	: 2 layers 0.048 lbs/ft² - 0.48 oz/ ft² = 3.5 mil/140 ft²
Reachable area	: 1 layers 0.024 lbs/ft² - 0.24oz/ ft² = 1.8 mil/280 ft²
Hardness	: H7
Used for	: Concrete, steel, wood, acrylic, gypsum
Application field	: Stations, tunnels, interiors, exterior overhang ceilings

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

Three simple steps: Clean, Dry, and Apply.

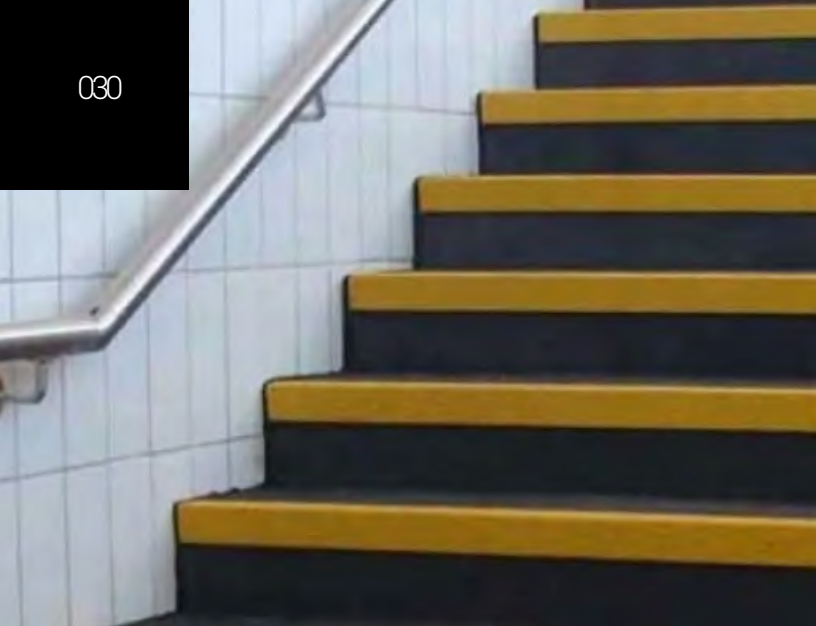
- Easily repels water, dirt, dust, and pollutants.
- This coating has an outstanding hydrophobic effect.
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 20 year+.



How to use: Page 47

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



SI31

2-Component (2K)

Topcoat Textured Transparent for semi gloss surfaces

Article Nr.	: SI312000 67 oz / 4.4 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 layers 0.017 lbs/ft ² - 0.25 oz/ ft ² = 1 mil/270 ft ²
Hardness	: H7
Used for	: Concrete, natural stone, steel, wood
Application field	: Stations, tunnels, exteriors, interiors

SI31 is an armored super strong nano particle textured 2-component thermal insulation paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

And results in this case in an anti-slip surface

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water or dirt
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 20 year+ (Floors)



How to use: Page 47

-  **Impact Resistance**
1kg/80cm
-  **Easy to apply**
-  **Cut cleaning costs**
-  **Anti-water spot**
Anti-corrosion
-  **Super hydrophobic**
-  **Self-cleaning**
stays cleaner longer
-  **Anti-scratch**
-  **Visibility Safety**



SI33

1-Component (1K)

Paint Textured Roadmark Traffic Yellow and Black

Article Nr.	: SI332000-TY SI332000-BL 67 oz / 6.6 lbs
Consumption	: 3 layers 0.049 lbs/ft ² - 0.68 oz/ ft ² = 4.2 mil/140 ft ²
Reachable area	: 2 layers 0.033 lbs/ft ² - 0.46 oz/ ft ² = 2.8 mil/280 ft ²
Reachable area	: 1 layers 0.016 lbs/ft ² - 0.22 oz/ ft ² = 1.4 mil/280 ft ²
Hardness	: H7
Used for	: Concrete, natural stone, steel, wood
Application field	: Stations, tunnels, exteriors, interiors

SI33 is an armored super strong nano particle textured 2-component thermal insulation paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

And results in this case in an anti-slip road marker

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water or dirt
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 20 year+. (Floors)



How to use: Page 47

-  **Impact Resistance**
1kg/80cm
-  **Easy to apply**
-  **Cut cleaning costs**
-  **Anti-water spot**
Anti-corrosion
-  **Super hydrophobic**
-  **Self-cleaning**
stays cleaner longer
-  **Anti-scratch**
-  **Visibility safety**

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



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

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 7000
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 8012
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°)



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

Other colors need minimal 220lbs

Marine

SI12 Transparent Matte	11/21 (20/60°)
SI41 Textured White Semi Gloss	41/69 (20/60°)
SI42 Textured White Matte	11/21 (20/60°)

Original
Cool white
RAL 9010
Pure white
RAL 9001
Cream white
RAL 9023
Distant blue
RAL 1023
Traffic yellow
RAL 7001
Silver gray
RAL 1015
Light Ivory
RAL 9016
Pure white
RAL 9001
Cream
RAL 1001
Beige
RAL 1020
Olive yellow

Military

SI31 Textured Transparent Semi Gloss	41/69 (20/60°)
SI33 Textured Black	Semi Gloss 41/69 (20/60°)

RAL 3000	Transparent matte	Light stone
RAL 3004	RAL 7031	RAL 6031
Burgundy	Blue grey	Bronze green
RAL 7036	RAL 9005	RAL 6451
Platinum	Jet black	Brunswick green
RAL 9023	RAL 9005	RAL 7016
Jet Black	NATO green	Dark sea grey
RAL 9019	RAL 7024	RAL 5008
Turquoise bleu	Graphite grey	[RAF] Blue grey
RAL 6027	RAL 1015	
Light green	Desert sand	
RAL 9000	Camo beige	
Violet blue	Dark grey camo	
RAL 9012		
Light blue	Dark brown camo	
RAL 9002		
Ultramarine blue	Olive drap	
RAL 9013		
Sapphire blue		
RAL 5005		
Signal blue	Very dark drap	

Antifouling

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



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 - 0.7 oz/ft² 80 micron = 50 ft²
Reachable area : 1 layer +/- 0.26 lbs/ft² - 0.4 oz/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
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.



Heavy Duty Primer - Smooth Surfacer

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.



SIX3

2-Component (2K)

Primer PU Wood Filler

surface modifier - absorption reducer

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



Fast Repaintable



Excellent adhesion

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%.



Absorption Reducer - All Surface Modifier

SIX4

1-Component (1K)

Primer Acrylic Waterbased

all surfaces modifier

Article Nr.	: SIX41000-WH/GR 32 oz / 2.65 lbs SIX44000-WH/GR 1 gal / 10.6 lbs
Consumption	: 2 layers +/- 0.53 lbs/ft ² - 0.7 oz/ft ² 80 micron = 50 ft ²
Reachable area	: 1 layer +/- 0.26 lbs/ft ² - 0.4 oz/ft ² 40 micron = 100 ft ²
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

Article Nr. : SIX51000-WH/GR 2.2 lbs
Color : White, Grey
Used on : Metal, wood, fiberglass, concrete, plastics
Application area : Buildings, marine, airports, offshore structures, bridges



Fast Repaintable



Excellent adhesion

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



Substrate Kit, Test, Touch and Feel

Substrate Kit
 16 different coating and paints



DEMOSKIT
 All our products are produced according
 to EU/ECHA USA/OSHA/EPA CANADA/WHIMS
 regulations

Scan QR Code for TDS and SDS

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, Copper,
 Cast Iron, PTFE,
 Adhesives, Olefin/Polyester Acid,
 Polymers, Glycol,
 Resins, etc.

WARNINGS: FLAMMABLE - LIQUID, VAPOR AND SPRAY MIST HARMFUL.
 EXPOSURE MAY CAUSE LONG DURATION ALLERGIC REACTION OR
 RESPIRATORY REACTION. MAY BE HARMFUL IF SWALLOWED.
 MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION.

GLOSS

TRANSPARENT / COLORABLE

TRANSPARENT

Video application and Test results



TELS



SOLV

Thinner solvent

for all types of our ceramic paint & coating

Article Nr. : SOLV0400 14 oz / 0.8 lbs SOLV2000 64 oz / 3.9 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

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

If your application needs a longer flash time (for example, in hot temperatures) to build up the layer with a second or third coat, you can add the RETA Retarder. If you want to speed up the curing process, you can add the ACCL Accelerator. It can reduce curing time by 30–70% compared to uncatalyzed systems, and full hardness can develop 1.5–2× faster.



Where to use our coatings:



How to use our Thin Film Coatings:

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.

Instructions for use:

Surface Preparation

- Wash all surfaces thoroughly with our Pure Shine Shampoo. if heavily soiled, pre-clean using Scrub Cleaner
- Dry completely.
- Polish if needed using our One Step Polish (works best on new or like-new surfaces).
- Use nitrile gloves, apply Steril Pretreatment Cleaner with clean towels—use multiple clean cloths to remove greasy avoid smearing dirt around.
- Ensure the surface is spotless; contamination can cause visible defects in the cured coating.

Application (SI03–SI05 Top Coat)

- Watch the application video via the QR code for technique guidance.
- Glove up! Remove the closure, insert the dropper, and shake well.
- Work in manageable sections following panel shapes and edges for overlap control.
- Use the applicator block with a suede mini-towel on top and apply 6–8 drops per 15 × 15" inches, adjusting if towel feel too dry.
- Start from the center of the section ⚠ (otherwise it's hard to spread from corner to corner)
- Spread with light pressure in criss-cross strokes until product is evenly applied.
- Keep going until no residue remains.
- Avoid over-applying—uneven layers and rolling-ups often result from too much product. (most common failure)
- If applied correctly, almost no polishing with a microfiber towel is needed afterward. (but you still polish with a clean microfiber towel to make sure that haze / residue is removed)

Application (SI02 Safety Vision Window Coating)

- Thoroughly clean both the inside and outside of the windshield, including wiper blades and seals, using Steril Pretreatment Cleaner
- Watch the application video via the QR code for technique guidance.
- Dispense 10–15 drops of coating onto a cotton pad, then rub it in evenly across the glass using firm pressure on the pad.
- Continue until a light gray haze becomes visible over the surface. (Wait approximately 2 minutes (at 68°F) for solvents to evaporate)
- Gently buff away the haze with a clean microfiber cloth.

Curing:

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



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



Paint Brush
(acrylic)

Instructions for use:

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), Hydro-chloric 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.

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)

Application information

The SI11/SI12/SI21/SI22/SI31/SI33 coatings can be applied directly or indirectly on all surfaces (porous and non-porous) such as concrete, steel, wood, acrylic, gypsum, painted or unpainted surfaces, indoors, or outdoors. The surface underneath will be superbly protected against erosion and corrosion and will stay cleaner longer. Cleaning becomes quicker, easier, and less expensive, as special cleaning agents are unnecessary.

Preparation

Make sure the surface is free from any contamination and dirt. A zinc rich primer can be used in case of problems with the substrate. **Warning the surface must be completely dry before application and must stay dry for 6 hours after application after application!**

The 2-Component Permanent Coating System

Mix the can SI11B-SI12B-SI21B-SI22B-SI31B-SI33B with the can of SI11A-SI12A-SI21A-SI22A-SI31A-SI33A by pouring can B into can A, or measure exactly by net weight in a ratio of 7:3 and mix very well, or measure exactly by net weight in a ratio of 9:1 and mix thoroughly with a power agitator.

The 2-Component Permanent Coating System

Mix the can SI11B-SI21B-SI32B-SI33B with the can of SI11A-SI21A-SI32A-SI33A by pouring can B into can A, or measure exactly by net weight in a ratio of 9:1 and mix very well. Mix the can of SI21B with the can of SI21A by pouring can B into can A, or measure exactly by net weight in a ratio of 9:1 and mix thoroughly with a power agitator. Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches your desired thickness. 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

NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



**There is no better option than to use
NANO-CERAMIC!**

The Leader in Durability

*Did you know that our
Permanent Coating System
repels water and dirt and
lasts 25 Years+ ?*

Dealer