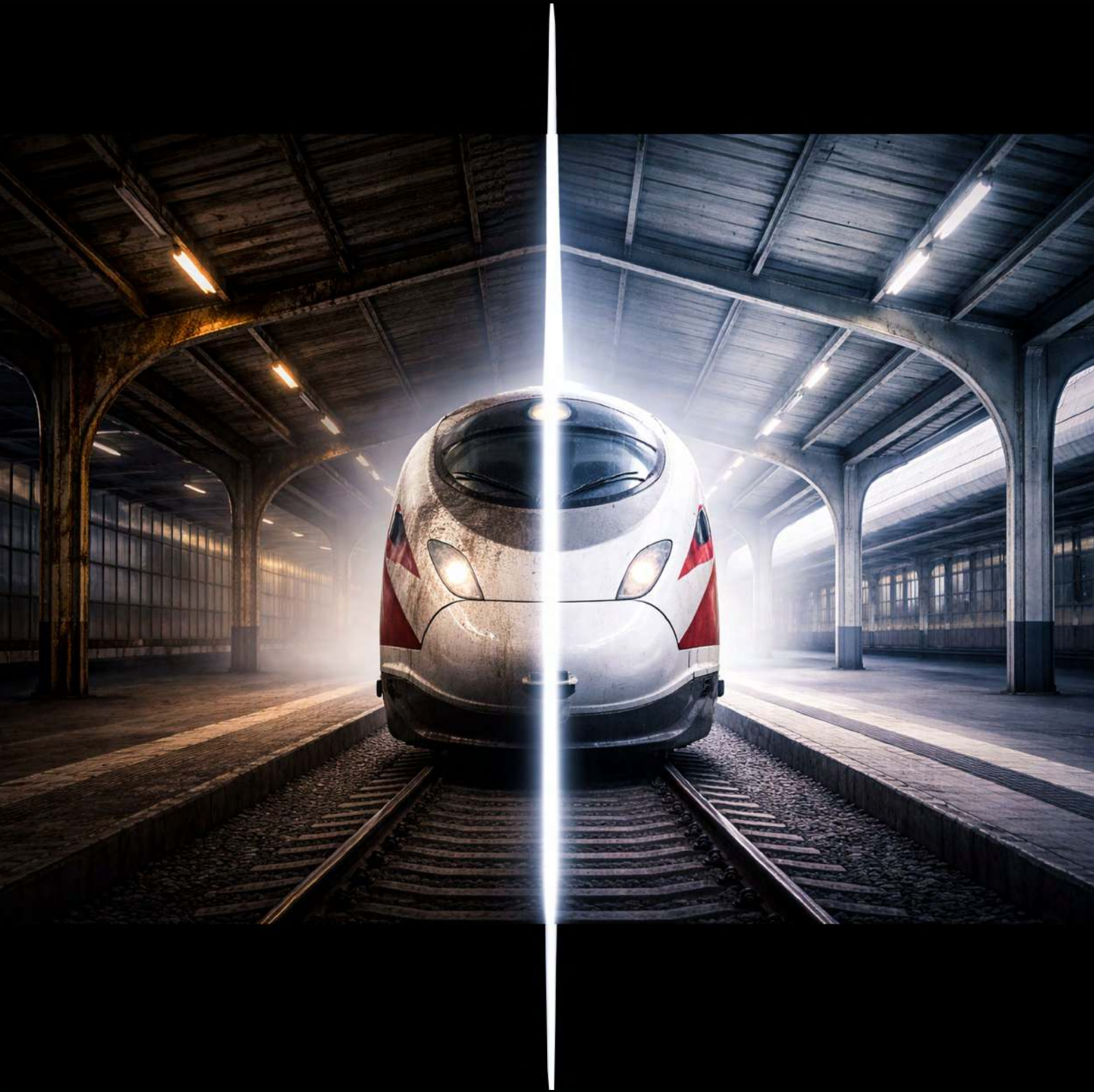


# NANO-CERAMIC®



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.



Jetpack VideoPress



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.



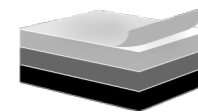
## What are the benefits of applying NANO-CERAMIC Thin Film Coating?

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 Flim 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.



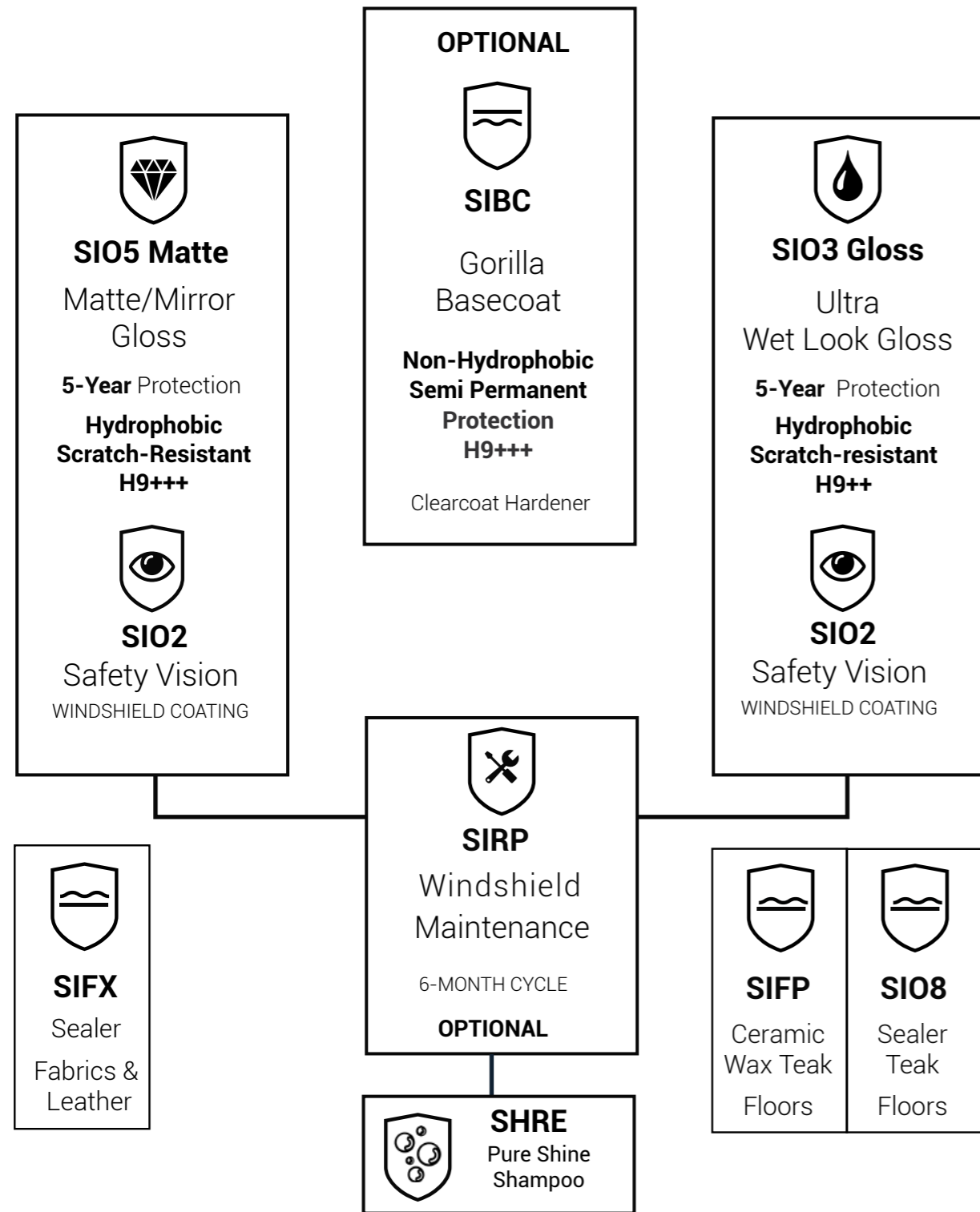
**Step 2** Decontamination and polishing the gelcoat to produce a smooth and even surface.



**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:





APPLY  
VIDEO  
SCAN  
QR CODE



# SIO3 GLOSS

## Body & Windshield Protection for clearcoat & glass

<b>Product ID</b>	: SIO31A00 32 oz 6 Micron SIO21A00 32 oz 2 Micron
<b>Consumption</b>	: +/- 0.007 oz/ft <sup>2</sup>
<b>Reachable area</b>	: +/- 5.000 ft <sup>2</sup> body + 5.000 ft <sup>2</sup> Windshield
<b>Used for</b>	: Clearcoat, acrylic, glass, chrome, stainless
<b>Application field</b>	: 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  
VIDEO  
SCAN  
QR CODE



# SIO5 MATTE

## Body & Windshield Protection for clearcoat & glass

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

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

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- Anti-fingerprint**
- Visibility safety**
- Protects your investment**

**Applicator:**





APPLY VIDEO SCAN QR CODE

# STEP

## One Step Polish

for scratch removal

**Product ID** : STEP0250 8.5 oz  
**Consumption** : 0.017 oz/ft<sup>2</sup>  
**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**



APPLY VIDEO SCAN QR CODE

# CLEAN

## Steril Cleaner

for hard surfaces

**Product ID** : CLEAN0500 16 oz / CLEAN5000 1.32 gal  
CLEAN020L 5 gal  
**Consumption** : +/- 0.01 oz/ft<sup>2</sup>  
**Used for** : Clearcoat, gelcoat, glass, chrome, mirrors  
**Application field** : Public Transport



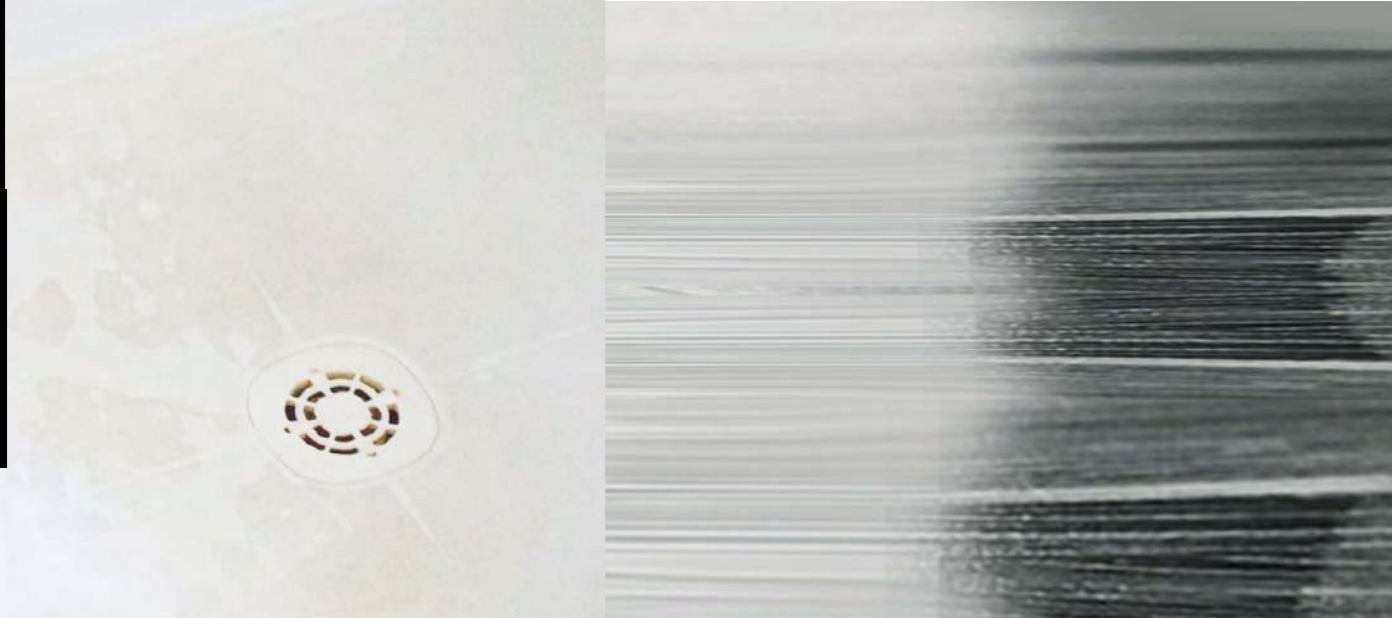
100% Steril with nano interlock technology (active lifting encapsulate the grease from the surface)

- 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**





# SCRUB

## Scrub Cleaner for hard surfaces

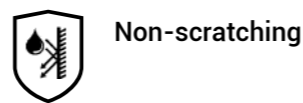


- Product ID** : SCRUB0250 16 oz / SCRUB5000 1.32 gal  
SCRUB020L 5 gal
- Consumption** : +/- 0.007 oz/ft<sup>2</sup>
- Used for** : Hard surfaces
- Application field** : Public Transport

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



**Applicator:**



# SIRP

## Repellent Protector for glass / ceramics / mirrors



- Product ID** : SIRP0500 16 oz SIRP5000 1.32 gal  
SIRP020L 5 gal
- Consumption** : +/- 0.007 oz/ft<sup>2</sup>
- 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

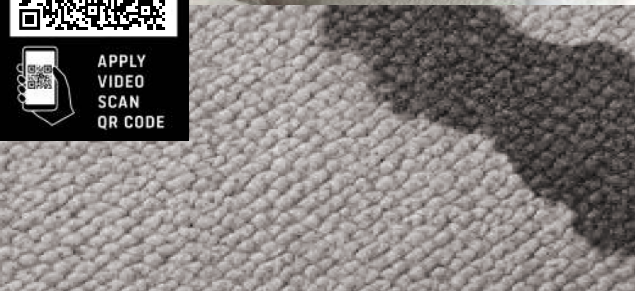
- Easy to apply
- Indoor  
Outdoor
- Cut cleaning costs
- Anti-water spot
- Super hydrophobic
- Self-cleaning  
Stays cleaner longer
- Visibility  
Safety

**Applicator:**





APPLY  
VIDEO  
SCAN  
QR CODE



# MPCL

## Multi Purpose Cleaner for all interior surfaces

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

Safe to use does not harm the surface



-  **Easy to apply  
spray & wipe**
-  **No discoloration**
-  **Indoor  
Outdoor**
-  **Quick to use**
-  **Spills are easy  
to remove**
-  **Cleaner for longer**



APPLY  
VIDEO  
SCAN  
QR CODE



# SHRE

## Pure Shine Shampoo for all exterior surfaces

<b>Product ID</b>	: SHRE1000 32 oz / SHRE5000 1.32 gal SHRE020L 5 gal
<b>Consumption</b>	: 0.7 oz : 2.5 gal Water
<b>Application field</b>	: 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.

Dilution ratio 1: 500 (super economical)



-  **Easy to apply**
-  **Easy to clean**
-  **Stays cleaner  
longer**
-  **Food grade**

**Applicator:**



## 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 outer body, UVA Topcoat simplifies your workflow and maximizes value—demonstrating that outstanding durability and protection don't have to come with a premium price.

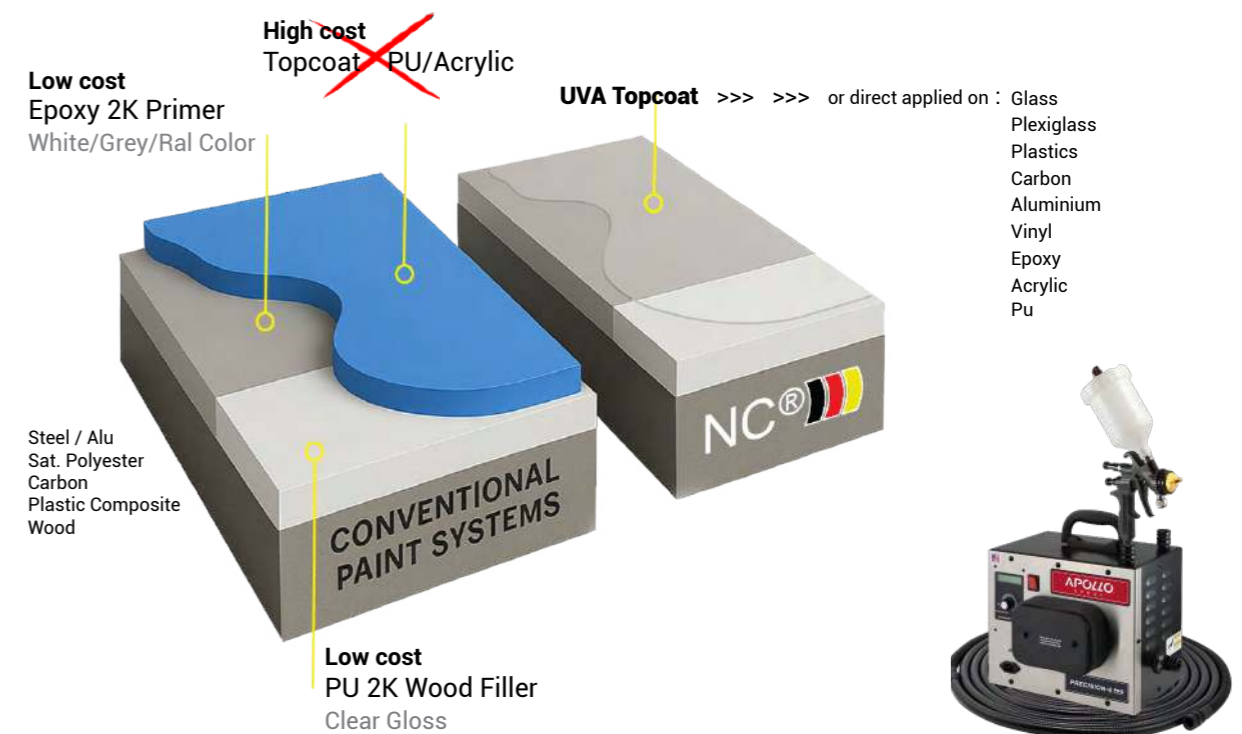
## Where can UVA Topcoat be used?

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

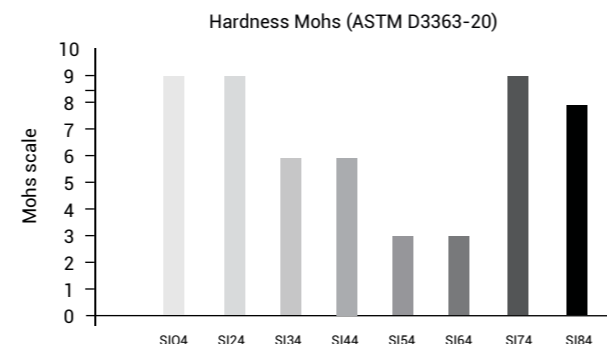
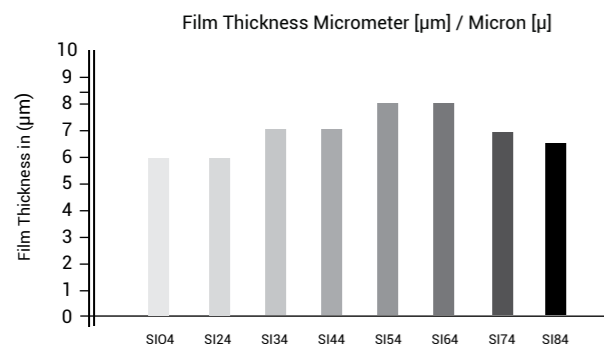
UVA Topcoat is engineered for maximum efficiency with minimal material use—delivering high-performance protection at a fraction of the volume required by traditional coatings.

Recommended usage is approximately ±0.025 lbs/ft<sup>2</sup> per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one liter covering up to 800 ft<sup>2</sup>.

## 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.

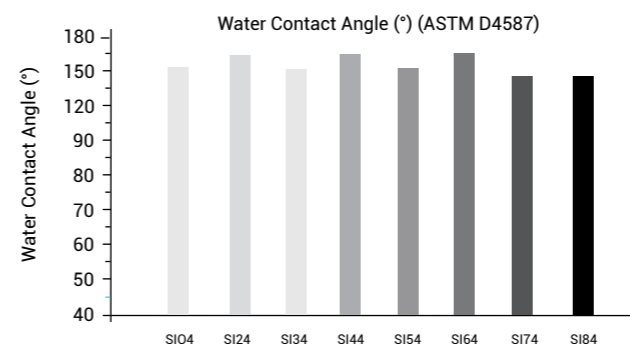
Perfect for any visible surface requiring a durable, colored finish without compromising the coating's hydrophobic and chemical-resistant properties.



## 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	<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>	<b>1%</b>	<b>2%</b>	<b>3%</b>	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



# 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<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 >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)



How to use: Page 46



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



TEST  
REPORT  
SCAN QR  
CODE



# SIO24

1-Component (1K)

## Topcoat Transparent for matte surfaces

**Product ID** : SIO241LUVA 32 oz / 2.13 lbs SIO2405UVA 16 oz / 1.05 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 >0.8"  
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Expected life duration 4-16 or 24 Years (layer thickness)



How to use: Page 46



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

## 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.

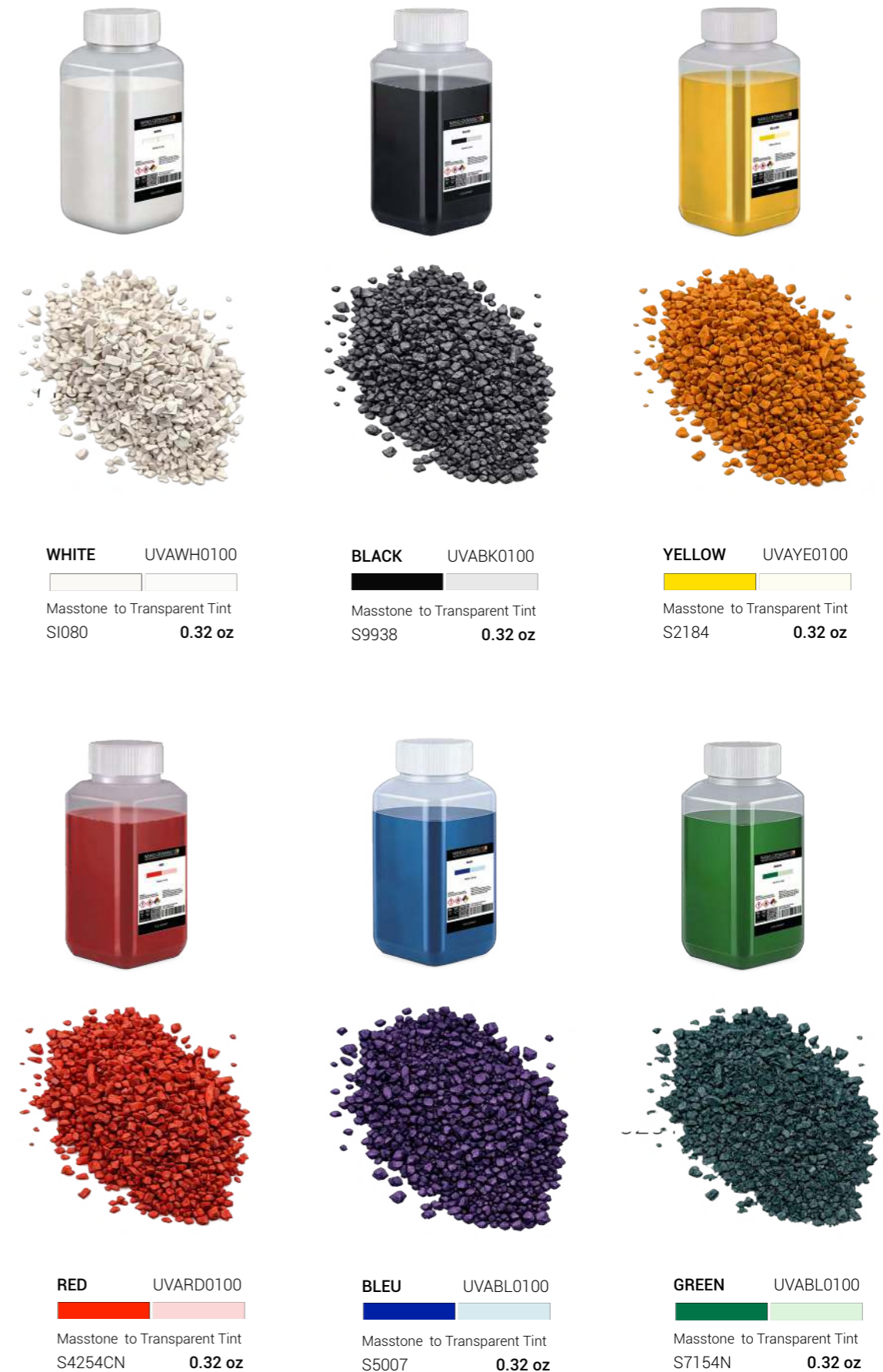
Because the colorants are supplied ready to use, incorporation into our coating systems is simple and straightforward. The required amount of colorant can be added directly to the coating and mixed using standard stirring or mechanical mixing.

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.



## 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.

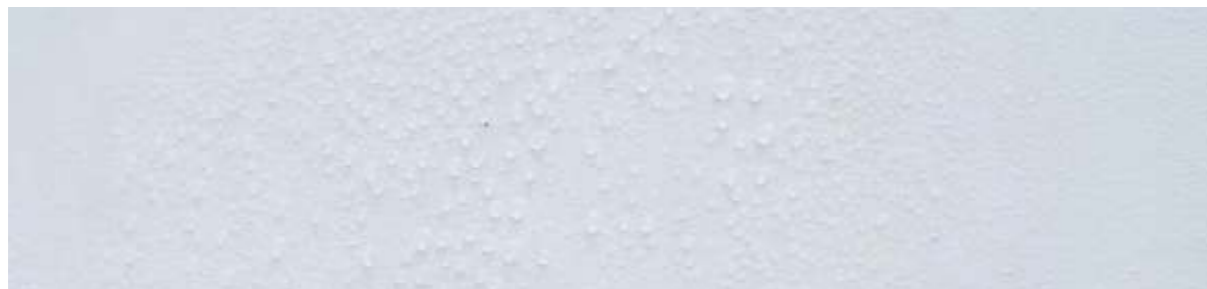
NANO-CERAMIC permanent coating is 600°F resistant and more than 6 times stronger than traditional acrylic based paint finishes, and is effectively preventing damage that would otherwise affect the appearance and integrity of the original surface.

### 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?

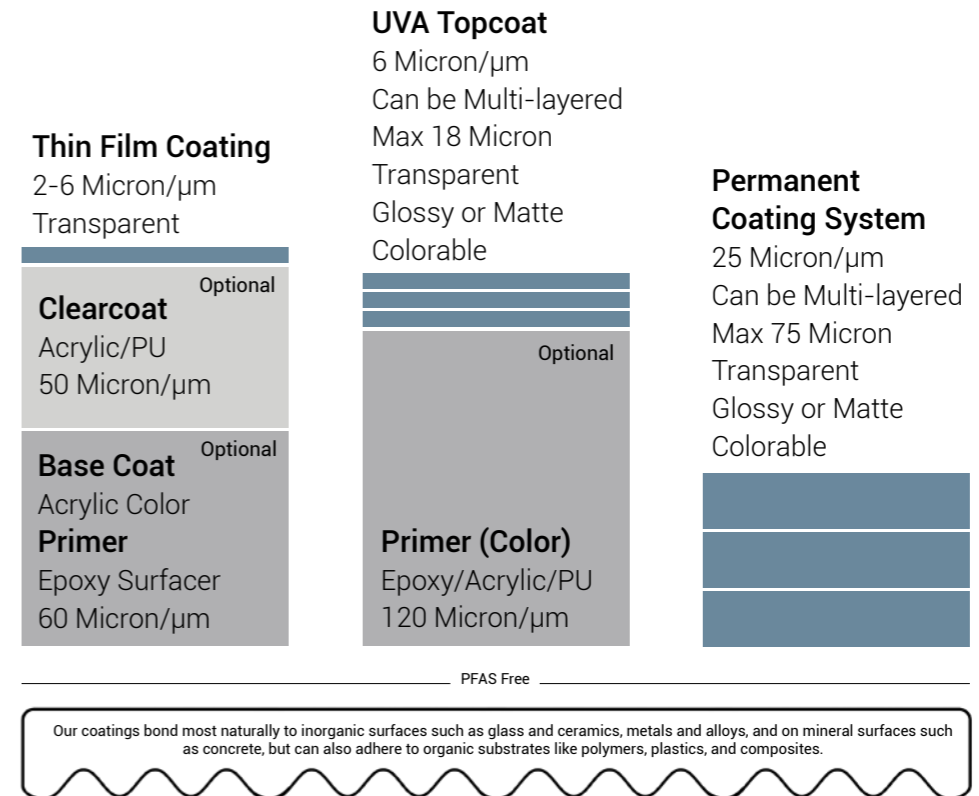
The NANO-CERAMIC permanent coating can be applied directly or indirectly on all kinds of interior and /or exterior surfaces (absorbing and non-absorbing), such as steel, aluminium acrylic, composites and many more.



### 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



APPLY  
VIDEO  
SCAN  
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# SI11

2-Component (2K)

## Topcoat Transparent for glossy surfaces

<b>Product ID</b>	: SI112000 67 oz / 4.2 lbs
<b>Consumption</b>	: 3 layers 0.06 lbs/ft <sup>2</sup> - 0.96 oz/ ft <sup>2</sup> = 3 mil/ 70 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness</b>	: H9
<b>Used for</b>	: Body panels, aluminium chrome, plastics, vinyl
<b>Application field</b>	: 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**



TEST  
REPORT  
SCAN QR  
CODE



# SI12

2-Component (2K)

## Topcoat Transparent for matte surfaces

<b>Product ID</b>	: SI122000 67 oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.06 lbs/ft <sup>2</sup> - 0.96 oz/ ft <sup>2</sup> = 3 mil/ 70 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness</b>	: H9
<b>Used for</b>	: Body panels, aluminium chrome, plastics, vinyl
<b>Application field</b>	: 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

<b>Product ID</b>	: SI112000 67 oz / 4.2 lbs
<b>Consumption</b>	: 3 layers 0.06 lbs/ft <sup>2</sup> - 0.96 oz/ ft <sup>2</sup> = 3 mil/ 70 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness</b>	: H9
<b>Used for</b>	: Fiberglass, steel, aluminium, plastics, wood
<b>Application field</b>	: 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

<b>Product ID</b>	: SI212000 67 oz / 5.3 lbs
<b>Consumption</b>	: 3 layers 0.044 lbs/ft <sup>2</sup> - 0.56 oz/ ft <sup>2</sup> = 3 mil/120 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness</b>	: H8
<b>Used on</b>	: Gelcoat, fiberglass, steel, aluminium, plastics, wood
<b>Application field</b>	: 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.

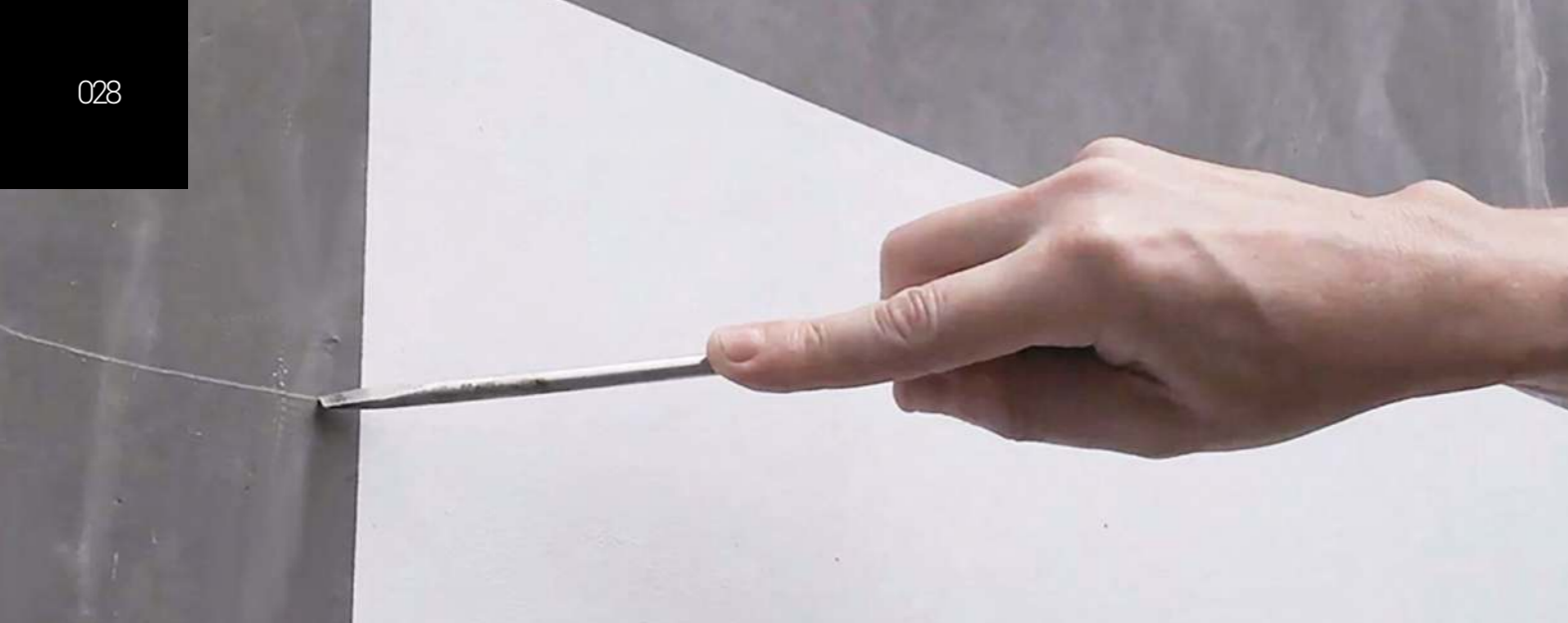
- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water or dirt
- Resistant to all kinds of chemicals and UV radiation
- Graffiti will be easy to remove
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 25 year+.



How to use: Page 47





# SI13

2-Component (2K)

## Paint Coolest White for egg-shell surfaces

<b>Article Nr.</b>	: SI132000 67 oz / 7.3 lbs
<b>Consumption</b>	: 2 layers 0.050 lbs/ft <sup>2</sup> - 0.48 oz/ ft <sup>2</sup> = 3.5 mil/140 ft <sup>2</sup>
<b>Reachable area</b>	: 1 layers 0.025 lbs/ft <sup>2</sup> - 0.24oz/ ft <sup>2</sup> = 1.8 mil/280 ft <sup>2</sup>
<b>Hardness</b>	: H7
<b>Used for</b>	: Concrete, steel, wood, acrylic, gypsum
<b>Application field</b>	: 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



# SI15

1-Component (1K)

## Paint Coolest White for egg-shell surfaces

<b>Article Nr.</b>	: SI152000 67 oz / 6.6 lbs
<b>Consumption</b>	: 2 layers 0.048 lbs/ft <sup>2</sup> - 0.48 oz/ ft <sup>2</sup> = 3.5 mil/140 ft <sup>2</sup>
<b>Reachable area</b>	: 1 layers 0.024 lbs/ft <sup>2</sup> - 0.24oz/ ft <sup>2</sup> = 1.8 mil/280 ft <sup>2</sup>
<b>Hardness</b>	: H7
<b>Used for</b>	: Concrete, steel, wood, acrylic, gypsum
<b>Application field</b>	: 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





# SI31

2-Component (2K)

## Topcoat Textured Transparent for semi gloss surfaces

<b>Article Nr.</b>	: SI312000 67 oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.050 lbs/ft <sup>2</sup> - 0.76 oz/ ft <sup>2</sup> = 3 mil/ 90 ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.033 lbs/ft <sup>2</sup> - 0.51 oz/ ft <sup>2</sup> = 2 mil/180 ft <sup>2</sup> : 1 layers 0.017 lbs/ft <sup>2</sup> - 0.25 oz/ ft <sup>2</sup> = 1 mil/270 ft <sup>2</sup>
<b>Hardness</b>	: H7
<b>Used for</b>	: Concrete, natural stone, steel, wood
<b>Application field</b>	: 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

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

# Other colors need minimal 220lbs

**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, Cool white, Cream white, Grey white, Signal white, Signal black, Jet black, White aluminium, Grey aluminium, Pure white, Graphite black, Traffic white

RAL 9018 Papyrus white, RAL 9001, RAL 9002, RAL 9003, RAL 9004, RAL 9005, RAL 9006, RAL 9007, RAL 9010, RAL 9011, RAL 9016

RAL 9022 Pearl light grey, RAL 9023 Pearl dark grey, RAL 1000 Green beige, RAL 1001 Beige, RAL 1002 Sand yellow, RAL 1011 Brownbeige, RAL 1013 Pearl white, RAL 1014 Ivory, RAL 1015 Light Ivory, RAL 9017 Traffic black

RAL 3015 Light pink, RAL 6007 Pastel blue, RAL 4009 Pastell violet, RAL 6027 Light green, RAL 7000 Squirrel grey, RAL 1036 Pearl gold, RAL 8029 Pearl copper, RAL 4012 Pearl blackberry, RAL 6025 Pearl gentian blue, RAL 6036 Pearl opal green, RAL 8016 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, Lumious yellow, Traffic red, Jet black, Golden yellow [Cat], Leaf green [J.D Deere], Light grey, Dark grey, Silver grey, Signal brown, Pale brown

RAL 1026, RAL 3020, RAL 9005, RAL 1004, RAL 6002, RAL 7035, RAL 7011, RAL 7003, RAL 8002, RAL 8025

**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°)

Cool white, Pure white, Cream white, Distant blue, Traffic yellow, Silver gray, Light Ivory, Pure white, Cream, Beige, Olive yellow

RAL 9010, RAL 9001, RAL 9023, RAL 1023, RAL 7001, RAL 1015, RAL 9016, RAL 9001, RAL 1001, RAL 1020

**Military**

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

Transparent matte, Blue grey, Jet black, NATO green, Graphite grey, Desert sand, Camo beige, Dark grey camo, Dark brown camo, Olive drap, Very dark drap

RAL 7031, RAL 9005, RAL 6005, RAL 7024, RAL 1015, RAL 9000, RAL 9012, RAL 9002, RAL 9013, RAL 5005

**Antifouling**

SI14 Color 3141 (20/60°)

Transparent, Jet Black, Signal Red, Ultra marine blue, Signal Grey

RAL 9005, RAL 3001, RAL 9002, RAL 7004



# 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> - 0.7 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** : 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

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.



**Fast Repaintable**



**Excellent adhesion**



## 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/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

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.



**Fast Repaintable**



**Excellent adhesion**



**VOC Free**



# SIX3

2-Component (2K)

## Primer PU Wood Filler

surface modifier - absorption reducer

<b>Article Nr.</b>	: SIX31500 51 oz / 3.3 lbs
<b>Consumption</b>	: 2 layers +/- 0.40 lbs/ft <sup>2</sup> - 0.6 oz/ft <sup>2</sup> 60 micron = 80 ft <sup>2</sup>
<b>Reachable area</b>	: 1 layer +/- 0.20 lbs/ft <sup>2</sup> - 0.3 oz/ft <sup>2</sup> 30 micron = 120 ft <sup>2</sup>
<b>Hardness</b>	: H4
<b>Used on</b>	: Steel, Aluminium and other organic surfaces
<b>Application area</b>	: 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**



## Absorption Reducer - All Surface Modifier

# SIX4

1-Component (1K)

## Primer Acrylic Waterbased

all surfaces modifier

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

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.



**Fast Repaintable**



**Excellent adhesion**



**VOC Free**



# 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

**NANO-CERAMIC®**  
WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS

**Instructions for use:**  
Make sure the surface is free from contamination and dirt. A dry, hot primer can be used in case of problems with the substrate at its respective circumstances. The Primer should pass the ISO 2408/2008 adhesion test 0.  
Mix B1141000 (Coating) with B1182000 (Activator), or mix in an exact ratio 5:1 NET WEIGHT using a scale. The surface must be adequately dry before application. Apply 0.5 mm layer thickness at thickness of approx. 75 microns 2 mil after drying. Thickness is determined by ambient humidity.  
Let the surface dry for 24 hours. Be ready to use 1 hour after 24 hours (2K) and after the necessary 10% dehumidification is completed in fully coated after 7 days. Be aware that the final coating should be allowed longer than 7 days.  
75-80 micron / 3.0 mil covers 11.7-14m<sup>2</sup> / 75-140ft<sup>2</sup>  
Container: 1.8L / 60oz [NET WT: 1.73 kg / 3.8 LBS]

**WARNING!**  
FLAMMABLE - LIQUID VAPOR AND SPRAY MIST HARMFUL. EXPOSURE MAY CAUSE LUNG DAMAGE, ALLERGY, REACTION OR RESPIRATORY REACTION. HARMFUL 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, Copper.  
Content:  
Epoxy Resin, PTFE Additive, Quarternary Amine  
Finish: Gloss  
Sheet: 5178 (20'x6')

**PERMANENT COATING / PAINT SYSTEM**

**GLOSS**      **TRANSPARENT / COLORABLE**      **TRANSPARENT**

## Video application and Test results



# 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)

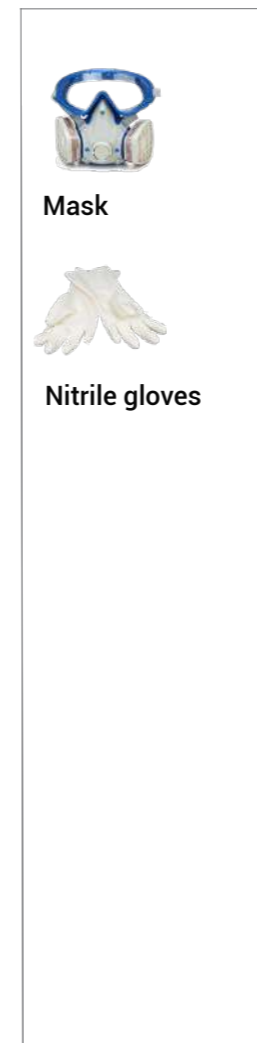
- Watch the application video via the QR code for technique guidance.
- Glove up! Remove the closure, insert the dropper, and shake well.
- Work in manageable sections following panel shapes and edges for overlap control.
- Use the applicator block with a suede mini-towel on top and apply 6–8 drops per 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**




**HVLPA 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), 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.

## 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**



**HVLPA 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

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