

# NANO-CERAMIC®



[WWW.NANO-CERAMIC.COM](http://WWW.NANO-CERAMIC.COM) INDUSTRIAL PROTECTIVE COATINGS



Public Transport

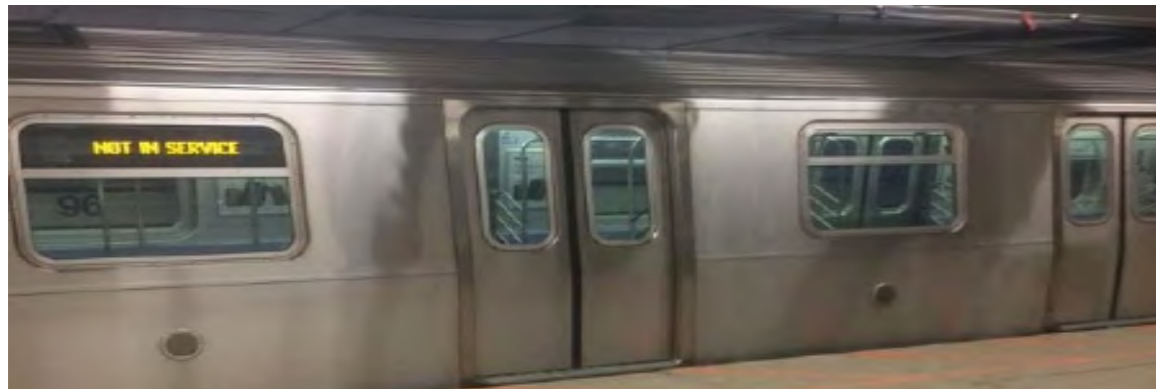
## What is NANO-CERAMIC Thin Film Coating?

NANO-CERAMIC Thin Film Coating is a revolutionary, ultra-durable, thin film ceramic clear-coating that provides superior scratchresistance and semi-permanent protection for all exterior and interior yacht surfaces.



## What makes NANO-CERAMIC Thin Film Coating so different?

NANO-CERAMIC Thin Film Coating is more than 4 times stronger than factory paint finishes and can absorb damage that would otherwise affect the appearance and integrity of your paint. This extremely durable ceramic coating reduces swirl marks and light scratches while protecting and preserving factory paint.



Conventional paints like acrylic urethane are simply not strong enough.

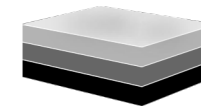
NANO-CERAMIC Thin Film Coating is completely resistant to acidic environmental substances like bird droppings, bug residue, acid rain, and tree sap, unlike your vehicle's factory paint, which can be permanently etched and damaged by these substances.

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

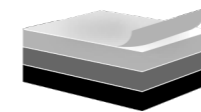
## What are the benefits of applying NANO-CERAMIC Thin Film Coating?

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.

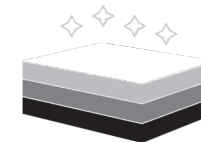
Clearcoat, Glass hull and body materials can be treated with one of our CERAMIC Thin Film Coating Restore the color and shine with advanced hydrophobic and UV protection. Even chrome, aluminum, and other metals can have added protection, as our coatings can withstand temperatures of over 1500°F



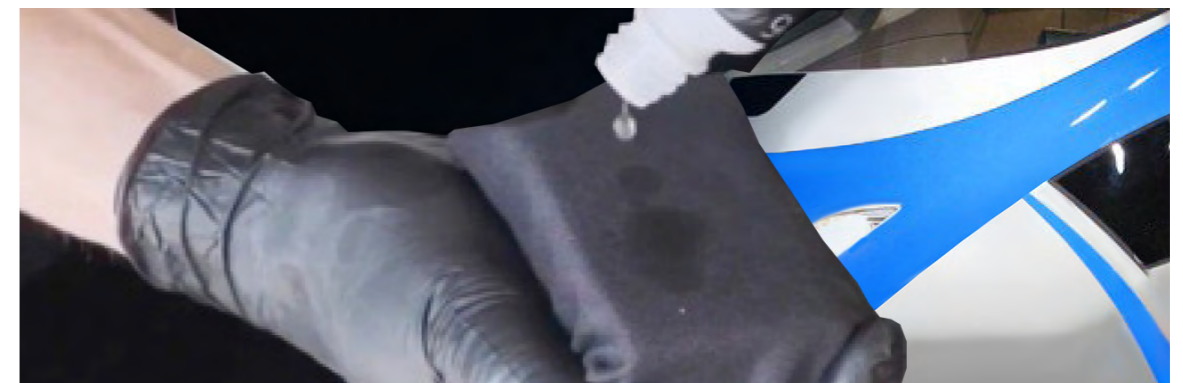
**Step 1** The surface layer of factory gelcoat is damaged and contaminated.



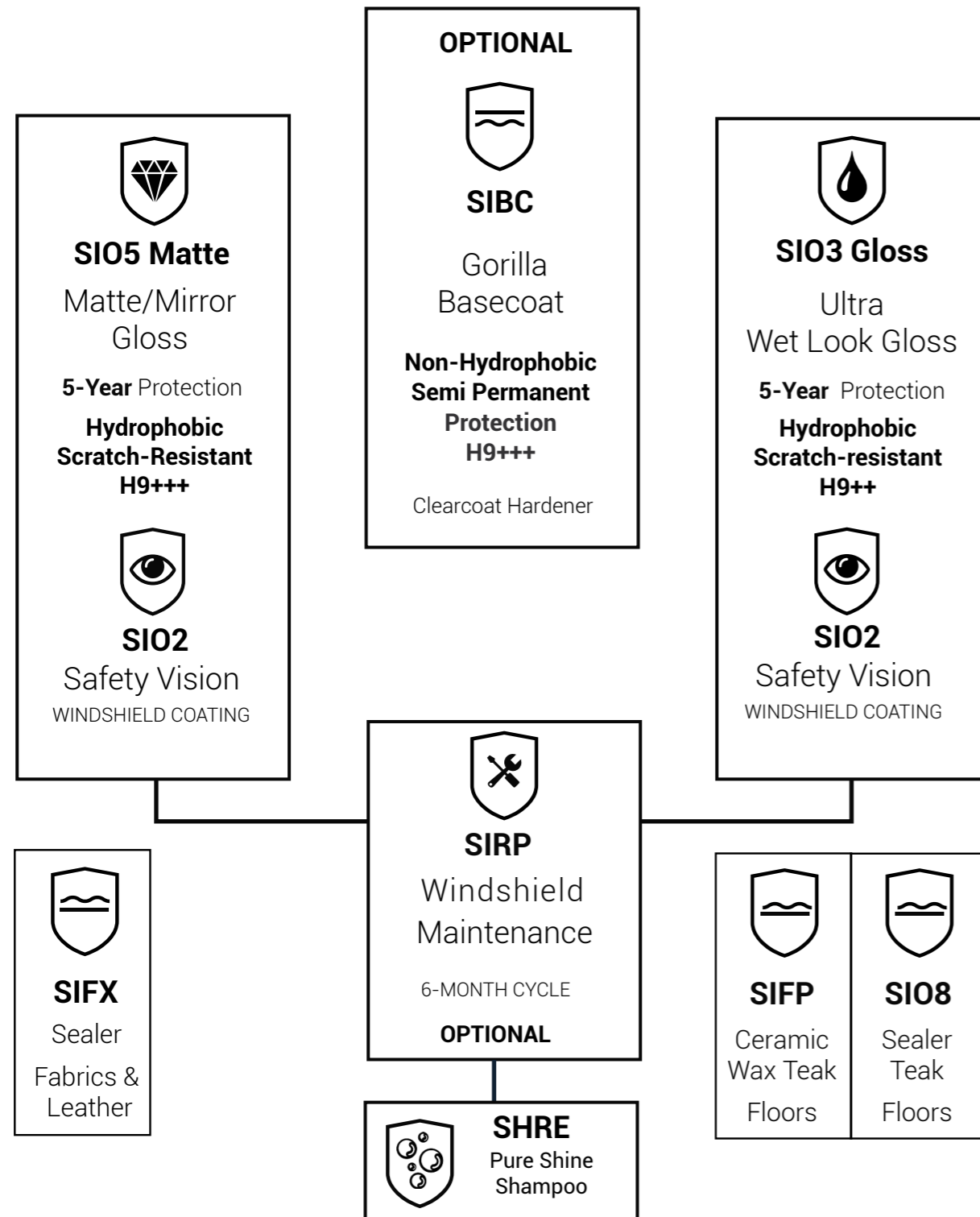
**Step 2** Decontamination and polishing the gelcoat to produce a smooth and even surface.



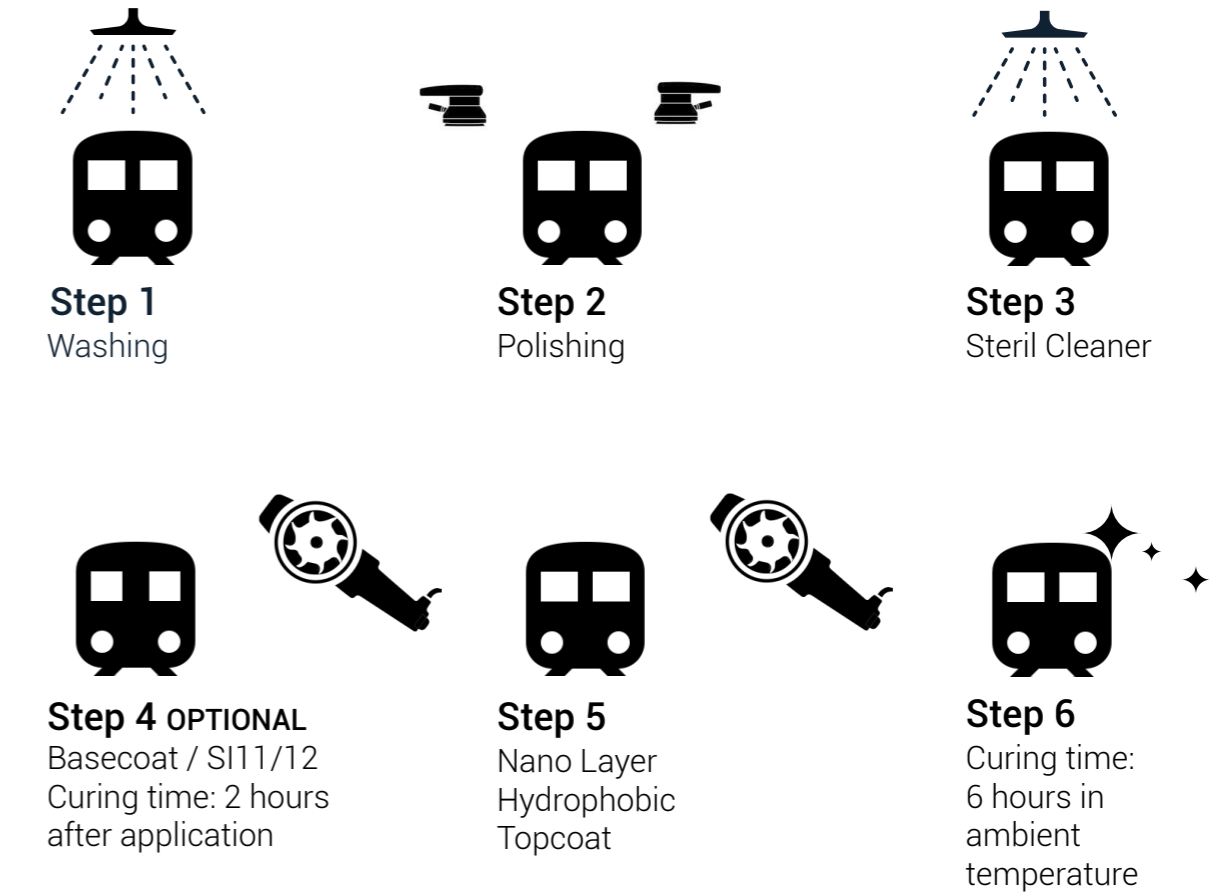
**Step 3** Restoration of coating thickness with a super-durable layer of NANO-CERAMIC



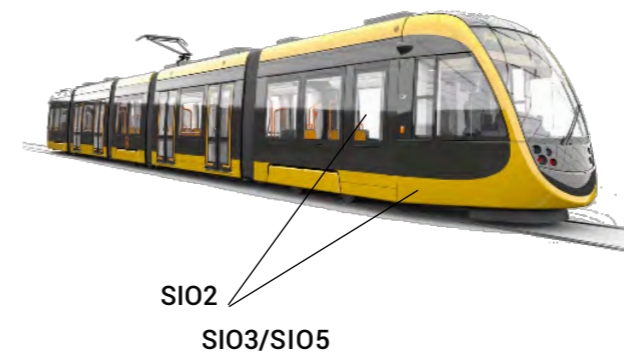
# Thin Film Protection Plan for Trains



# Thin Film Maintenance Plan for Trains



## Where to use Thin Film coatings:





VIDEO  
RESULT  
SCAN  
QR-KODE



# SIO3 GLOSS

## Body & Windshield Protection for clearcoat & glass

**Product ID** : SIO31A00-32oz 8 Micron SIO21A00-32oz 2 Micron  
**Consumption** : +/- 0.007oz/ft<sup>2</sup>  
**Reachable area** : +/- 5.000ft<sup>2</sup> body + 5.000ft<sup>2</sup> 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 an busses protected with a High-Tech ceramic layer.

- Two simple steps: Clean with our Steril Cleaner and Apply
- The original surface is protected against corrossion.
- Makes the surface anti scratch, much easier and quicker to clean, and the adhesion of dirt is reduced drastically.
- Promotes more hygienic surfaces.
- 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 14

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

**Applicator:**



# SIO5 MATTE

## Body & Windshield Protection for clearcoat & glass

**Product ID** : SIO51A00-32oz 8 Micron SIO21A00-32oz 2 Micron  
**Consumption** : +/- 0.007oz/ft<sup>2</sup>  
**Reachable area** : +/- 5.000ft<sup>2</sup> body + 5.000ft<sup>2</sup> 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 an busses protected with a High-Tech ceramic layer.

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- Visibility safety**
- Protects your investment**

**Applicator:**





APPLY  
MOVIE SCAN  
QR CODE

# STEP

## One Step Polish for scratch removal

**Product ID** : STEP0250 8.5oz  
**Consumption** : 0.017oz/ft<sup>2</sup>  
**Used for** : Clearcoat, gelcoat, glass and acrylic  
**Application field** : Public Transport



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

SKU-40201101-5.5INCH  
SKU-40201501-3.0INCH

SKU-40201206-5.5INCH  
SKU-40201608-3.0INCH

SKU-40201302-5.5INCH  
SKU-40201702-3.0INCH



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:**



APPLY  
MOVIE SCAN  
QR CODE

# CLEAN

## Steril Cleaner for hard surfaces

**Product ID** : CLEAN0500 16oz / CLEAN5000 1.32gal  
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**

**Applicator:**





APPLY  
MOVIE SCAN  
OR CODE



APPLY  
MOVIE SCAN  
OR CODE

# SCRUB

## Scrub Cleaner for hard surfaces



**Product ID** : SCRUB0250 16oz / SCRUB5000 1..32gal  
SCRUB020L 5gal

**Consumption** : +/- 0.007oz/ft<sup>2</sup>

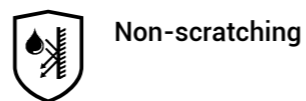
**Used for** : Hard surfaces

**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 16oz SIRP5000 1.32gal  
SIRP020L 5gal

**Consumption** : +/- 0.007oz/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

**How to use:** Page 22

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

**Applicator:**





APPLY  
MOVIE SCAN  
OR CODE



# MPCL

## Multi Purpose Cleaner for all interior surfaces



<b>Product ID</b>	: MPCL0500 16oz / MPCL5000 1.32gal MPCL020L 5gal
<b>Consumption</b>	: +/- 0.017oz/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



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



APPLY  
MOVIE SCAN  
OR CODE



# SHRE

## Pure Shine Shampoo for all exterior surfaces



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



## HOW TO USE:

### NANO-CERAMIC SIRP-SIO3-SIO5 MAX Thin film coatings

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

#### Ambient temperature:

41-86°F Avoid direct sunlight and/or high air humidity.

#### CLEANING

Clean the surface thoroughly with our Steril Cleaner until it is absolutely clean. If necessary, use our Scrub Cleaner or Reactivating Pure Shine Shampoo in advance. Make sure that all contamination is removed so that the glass coating can bind properly onto a clean surface. Make sure that the surface is completely dry before application!

#### APPLICATION OF SIRP

Spray a layer of nano SIRP on the surface and rub it in with a dry microtowel, keep rubbing it into the surface with strong pressure and wipe until all the product is even and scrubbed and only a little hazing / residue is visible **gently** wipe off this hazing / residue with a clean microfiber cloth after about a minute There is only a little pressure needed to remove the hazing completely. Curing time 1 hour.

#### APPLICATION OF SIO3-SIO5

Our coatings have best results on new on almost like new surfaces, we recommend to polish the surface if needed. Wear nitril gloves to clean the surface with our Steril Pretreatment Cleaner. (without wearing gloves, the oil from your hands may appear via the towel onto the surface) !!

Use more than one clean cloth to remove the dirt from the surface. (Please make sure you don't brush the dirt around on the surface by using dirty clothes.) Making the clearcoat-chrome-glass-surface clean is the most important issue. If the surface is not super steril than you will experience chemical reactions between our coatings and the still available contamination what is then visible into the ceramic layer when it is cured. In that case you will need to polish the surface again. So please don't hurry in carrying out this preparation work, but instead focus on this for 100%.

Learn the right application technique > Watch and Study the Apply Video scanning the QR Code on this page or on the packaging

#### (fragment BASE COAT SIBC ) OPTIONAL

Use nitril gloves! Remove the plastic inner closure from the bottle and put in the dripper. Shake bottle before use! We recommend to apply the surface in easy to handle segments of about 15"x 15"inch, following the panels shape and corner lines and use these lines for overlaps. Put 8-10 drops BASE COAT on the suede mini towel using the applicator block underneath, devide the coating properly by going 3 times over the same surface, wait till it lights up (+/- 25sec) and remove the residue carefully, and buff it lightly use a separate micro towel for this. Wait 2 hours before you continue with the application of one of our hydrophobic Top Coatings. After 2 hours BASE COAT is 80% cured and ready to receive one of our TOP COATINGS. After about 7 days the BASE COATING has been fully cured and is almost unremovable.

(fragment TOP COAT **SIO3-SIO5**)

Use nitril gloves! Remove the plastic inner closure from the bottle and put in the dripper. Shake t

he bottle before use! We recommend to apply the surface in easy to handle segments following the panel shape and corner lines and use these lines for overlaps.

Put 6-8 drops 40x40cm (15"x 15"inch), (if start use more drops as the towel is otherwise too dry ) TOP COATING on the suede mini towel using the applicator block underneath. Start dividing it from out of the middle of the surface and keep spreading it around by light pressure in criss-cross motions until the product is evenly distributed.

MOST IMPORTANT keep on doing this till no product residue is visible anymore. If you use too much coating and/or spreading it out from example one start position in a corner of a panel then you will not be able to divide it properly towards the other side and it will roll-up on each other and form a not equal layer. To use too much coating and not divide it equally is the second most critical point !!

When you apply TOP COATING in this correct way, then there is no need to use a micro towel for polishing anymore.

(fragment **WINDSHIELDS SIO2**)

Apply the nano layer WINDSHIELD COATING with the cotton apply pad. Spread 10-15 drops 50x60cm (20"x 25"inch) of WINDSHIELD COATING on the cotton pad and apply rubb it in motions on the windshield with firm pressure until all of the product is evenly distributed and only very little residue is visible.

Remove the coating residue with a soft clean microfiber cloth after about a minute and buff the glass/panels gently to take the veils away. There is not much pressure necessary to remove it completely. Note: dry the dripper and close the bottles tightly if you want to save the content for future use. At normal ambient temperature the Nano layers are sufficiently cured after approximately 6 hours (or 2 hours Infrared) (avoid water contact during this time).

## Application Video SGS (Test Reports)



**SGS**



## 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.

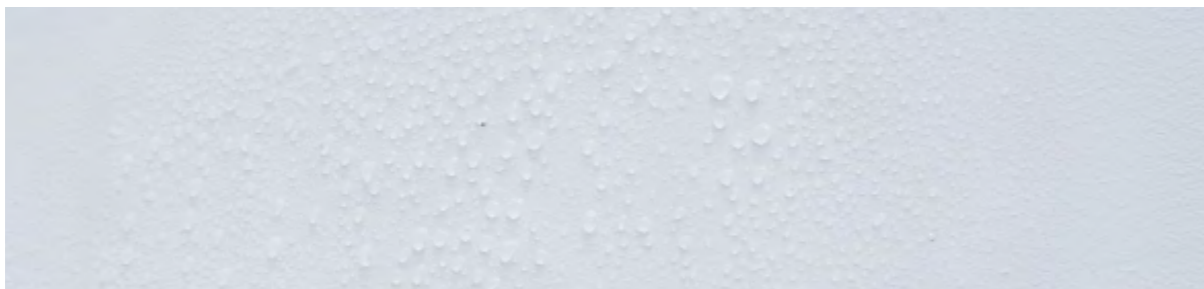
NANO-CERAMIC permanent coating is 600°F resistant and more than 6 times stronger than traditional acrylic based paint finishes, and is effectively preventing damage that would otherwise affect the appearance and integrity of the original surface.

### 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?

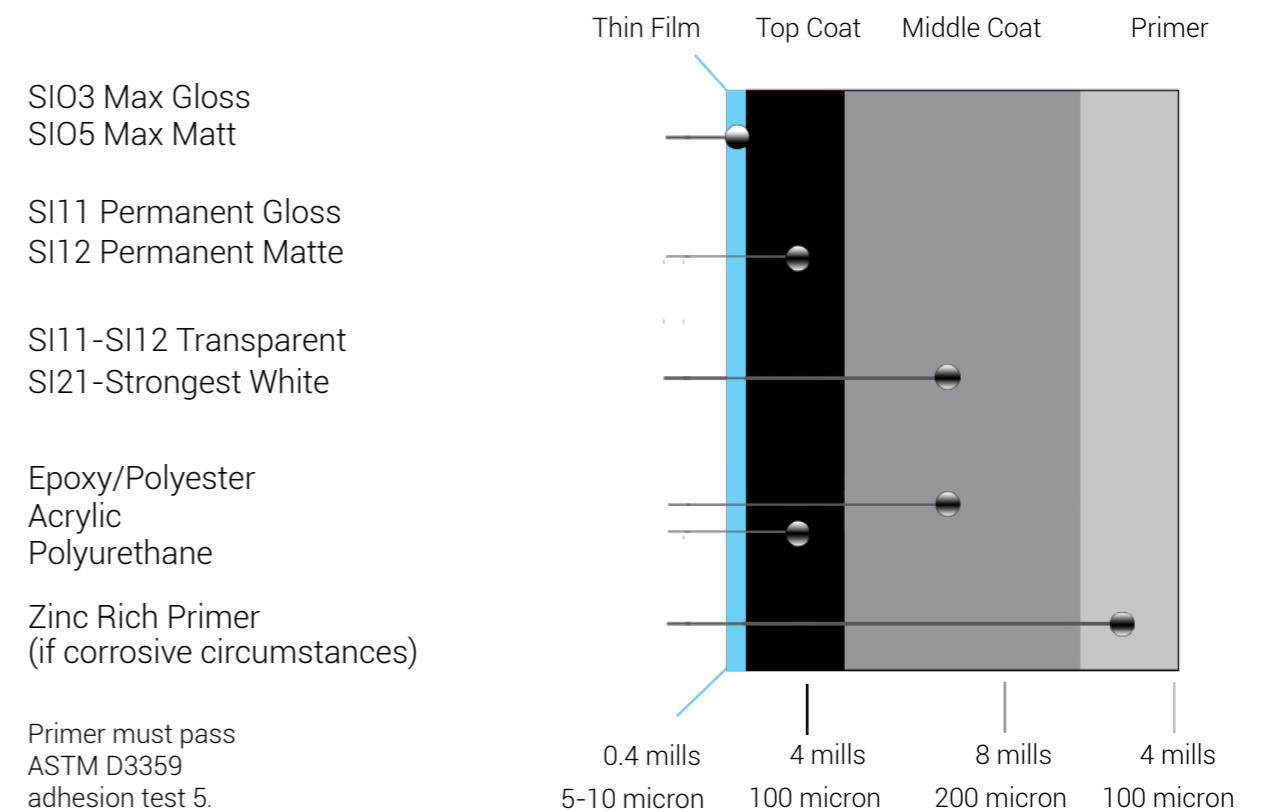
The NANO-CERAMIC permanent coating can be applied directly or indirectly on all kinds of interior and /or exterior surfaces (absorbing and non-absorbing), such as concrete, steel, wood, acrylic, gypsum and many more.



### Is NANO-CERAMIC Permanent Coating self-cleaning?

NANO-CERAMIC permanent coating provides a permanent hydrophobic surface that is self cleaning, easier to clean and stays cleaner longer as water and dirt can not penetrate the ceramic layer. NANO-CERAMIC permanent coating is resistant to water vapor and water absorption.

## Cross Section of Coating System



## 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



# SI11

2-Component (2K)

## Topcoat Transparent for glossy surfaces

<b>Product ID</b>	: SI112000 67oz / 4.2 lbs
<b>Consumption</b>	: 3 layers 0.06lbs/ft <sup>2</sup> - 0.96oz/ ft <sup>2</sup> = 3 mil/ 70ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.04lbs/ft <sup>2</sup> - 0.64oz/ ft <sup>2</sup> = 2 mil/140ft <sup>2</sup> : 1 layer 0.02lbs/ft <sup>2</sup> - 0.32oz/ ft <sup>2</sup> = 1 mil/210ft <sup>2</sup>
<b>Hardness</b>	: H9
<b>Used for</b>	: Fiberglass, steel, aluminium, plastics, wood
<b>Application field</b>	: Train, exteriors, interiors

SI11 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic.
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation..
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 600°F.

Expected Life Duration up to 30 years+.



How to use: Page 28



# SI12

2-Component (2K)

## Topcoat Transparent for matte surfaces

<b>Product ID</b>	: SI122000 67oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.06lbs/ft <sup>2</sup> - 0.96oz/ ft <sup>2</sup> = 3 mil/ 70ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.04lbs/ft <sup>2</sup> - 0.64oz/ ft <sup>2</sup> = 2 mil/140ft <sup>2</sup> : 1 layer 0.02lbs/ft <sup>2</sup> - 0.32oz/ ft <sup>2</sup> = 1 mil/210ft <sup>2</sup>
<b>Hardness</b>	: H9
<b>Used for</b>	: Fiberglass, steel, aluminium, plastics, wood
<b>Application field</b>	: Train, exteriors, interiors

SI12 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic.
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation.
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 600°F

Expected Life Duration up to 30 years+.



How to use: Page 28





# SI11

2-Component (2K)

## Topcoat Transparent

for glossy surfaces

<b>Product ID</b>	: SI112000 67oz / 4.2 lbs
<b>Consumption</b>	: 3 layers 0.06lbs/ft <sup>2</sup> - 0.96oz/ ft <sup>2</sup> = 3 mil/ 70ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.04lbs/ft <sup>2</sup> - 0.64oz/ ft <sup>2</sup> = 2 mil/140ft <sup>2</sup> : 1 layer 0.02lbs/ft <sup>2</sup> - 0.32oz/ ft <sup>2</sup> = 1 mil/210ft <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 28



# SI21

2-Component (2K)

## Paint Strongest White

for glossy surfaces

<b>Product ID</b>	: SI212000 67oz / 5.3 lbs
<b>Consumption</b>	: 3 layers 0.044lbs/ft <sup>2</sup> - 0.56oz/ ft <sup>2</sup> = 3 mil/120ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.030lbs/ft <sup>2</sup> - 0.37oz/ ft <sup>2</sup> = 2 mil/160ft <sup>2</sup> : 1 layer 0.014lbs/ft <sup>2</sup> - 0.19oz/ ft <sup>2</sup> = 1 mil/240ft <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 28





APPLY  
MOVIE SCAN  
OR CODE

# SI13

2-Component (2K)

## Paint Coolest White for egg-shell surfaces

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

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 28

- 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

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

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 28

- 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



# SI41

2-Component (2K)

## Paint Textured White for semi gloss surfaces

<b>Article Nr.</b>	: SI412000 67oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.049lbs/ft <sup>2</sup> - 0.68oz/ ft <sup>2</sup> = 4.2 mil/120ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.033lbs/ft <sup>2</sup> - 0.46oz/ ft <sup>2</sup> = 2.8 mil/160ft <sup>2</sup> : 1 layer 0.016lbs/ft <sup>2</sup> - 0.22oz/ ft <sup>2</sup> = 1.4 mil/240ft <sup>2</sup>
<b>Hardness</b>	: H9
<b>Used for</b>	: Steel, aluminum, concrete, acrylic, wood
<b>Application field</b>	: Stations, tunnels, exteriors, interiors

SI41 Textured Armored High Impact Resistance Coatings and Paints are super strong and contain a sprayable nanoparticle, this nanoparticle ensures that less heat is transferred to the metal plates, resulting in a lower temperature of the plate and a lower temperature under the plate.

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 30 year+.



How to use: Page 28



# SI42

1-Component (1K)

## Paint Textured White for semi matte surfaces

<b>Article Nr.</b>	: SI422000 67oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.049lbs/ft <sup>2</sup> - 0.68oz/ ft <sup>2</sup> = 4.2 mil/120ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.033lbs/ft <sup>2</sup> - 0.46oz/ ft <sup>2</sup> = 2.8 mil/160ft <sup>2</sup> : 1 layer 0.016lbs/ft <sup>2</sup> - 0.22oz/ ft <sup>2</sup> = 1.4 mil/240ft <sup>2</sup>
<b>Hardness</b>	: H9
<b>Used for</b>	: Steel, aluminum, concrete, acrylic, wood
<b>Application field</b>	: Stations, tunnels, exteriors, interiors

SI42 Textured Armored High Impact Resistance Coatings and Paints are super strong and contain a sprayable nanoparticle, this nanoparticle ensures that less heat is transferred to the metal plates, resulting in a lower temperature of the plate and a lower temperature under the plate.

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 28





# SI31

2-Component (2K)

## Topcoat Textured Transparent for semi gloss surfaces

<b>Article Nr.</b>	: SI312000 67oz / 4.4 lbs
<b>Consumption</b>	: 3 layers 0.050lbs/ft <sup>2</sup> - 0.76oz/ ft <sup>2</sup> = 3 mil/90ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.033lbs/ft <sup>2</sup> - 0.51oz/ ft <sup>2</sup> = 2 mil/180ft <sup>2</sup> : 1 layers 0.017lbs/ft <sup>2</sup> - 0.25oz/ ft <sup>2</sup> = 1 mil/270ft <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 28



# SI33

1-Component (1K)

## Paint Textured Roadmark Traffic Yellow and Black

<b>Article Nr.</b>	: SI332000-TY SI332000-BL 67oz / 6.6 lbs
<b>Consumption</b>	: 3 layers 0.049lbs/ft <sup>2</sup> - 0.68oz/ ft <sup>2</sup> = 4.2 mil/140ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers 0.033lbs/ft <sup>2</sup> - 0.46oz/ ft <sup>2</sup> = 2.8 mil/280ft <sup>2</sup>
<b>Reachable area</b>	: 1 layers 0.016lbs/ft <sup>2</sup> - 0.22oz/ ft <sup>2</sup> = 1.4 mil/280ft <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 28



## 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



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



Paint Roller  
(Microfiber)



Respirator



Paint Brush  
(acrylic)

### Application information

The SI11/SI12/SI21/SI22/SI13/SI15/SI31/SI33/SI41/SI42 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-SI13B-SI31B-SI41B-SI42B with the can of SI11A-SI12A-SI21A-SI22A-SI13A-SI31A-SI41A-SI42A by pouring can B into can A, or measure exactly by net weight in a ratio of 9:1 and mix very well.

Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches your desired thickness. Depending on the surface, material and structure, different application techniques can be used (such as paint rollers or brushes). Let the surface dry for 24 hours. It is touch-dry in 1 hours, after 4 hours, 85% cured, and the remaining 15% (transformation into ceramics) is fully cured after 7 days.

Be aware that the mixed contents cannot be stored longer than 3 hours. The surface can simply be maintained with a high pressure washer at 80 bar using our biologically degradable Reactivating Shampoo SHRE.

### Tool cleaning

The individual components, as well as the mixing system of the paint sprayer, can be diluted and cleaned using our THIN Thinner Solvent.

# SOLV

 Thinner solvent

for all types of our ceramic paint & coating



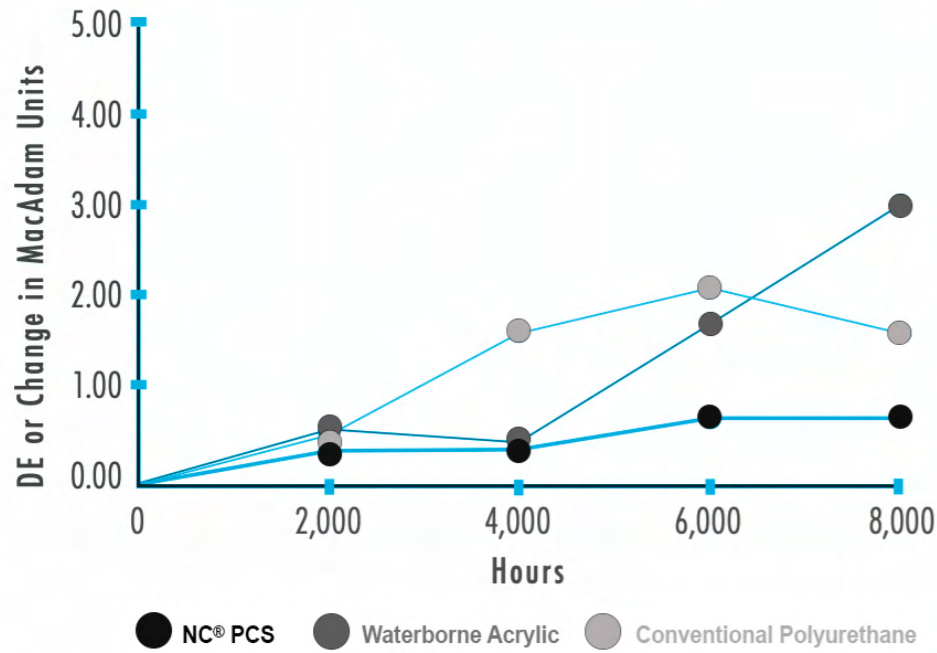
Article Nr. : SOLV0400 14oz / 0.8 lbs

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

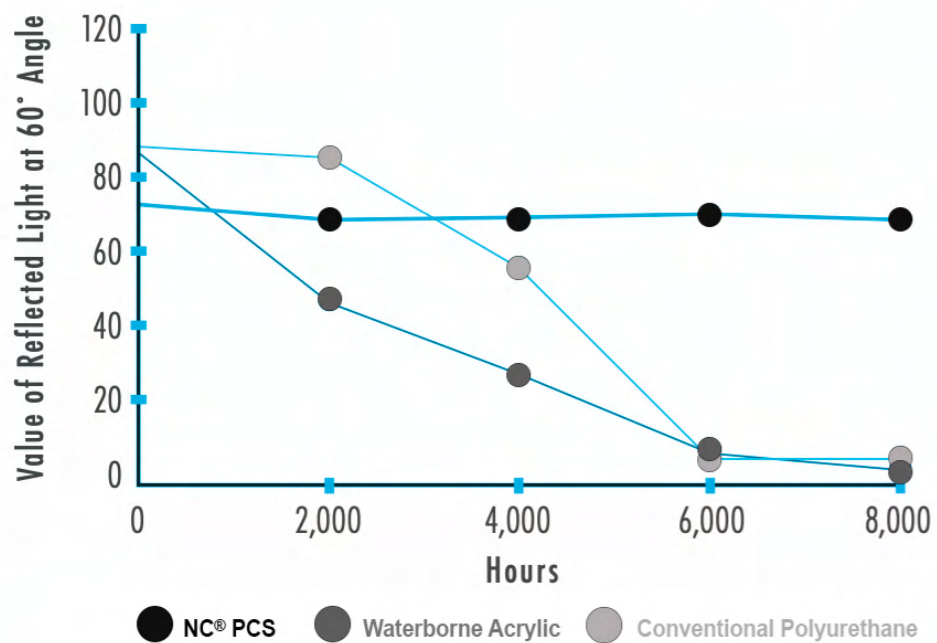
## Where to use our coatings:



## Color Retention QUV Accelerated Testing (ASTM D4587)



## Gloss Retention QUV Accelerated Testing (ASTM D4587)

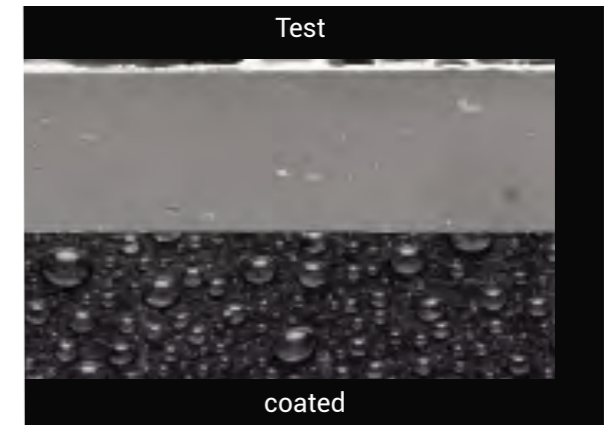
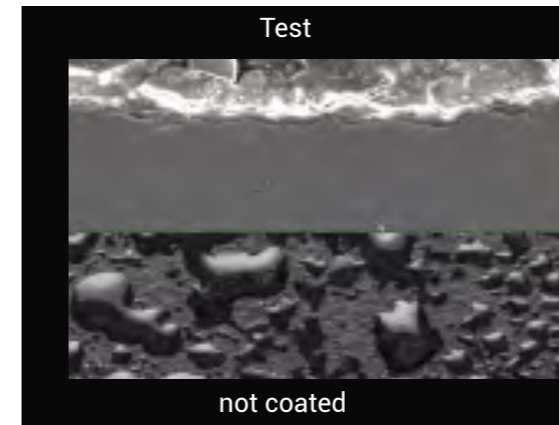


## Information

### TEST (EN 1504-2)



## Corrosion Tests



## SGS (Test Reports)



## Video Application & Result



# 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

RAL 9001

Cream white

RAL 9002

Grey white

RAL 9003

Signal white

RAL 9004

Signal black

RAL 9005

Jet black

RAL 9006

White aluminium

RAL 9007

Grey aluminium

RAL 9010

Pure white

RAL 9011

Graphite black

RAL 9016

Traffic white

RAL 9018

Papyrus white

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

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 7003

Silver grey

RAL 8002

Signal brown

RAL 8025

Pale brown

**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

RAL 3000

Fire red

RAL 3004

Burgundy

RAL 7036

Platinum

RAL 9005

Jet Black

RAL 9019

Turquoise bleu

RAL 6027

Light green

RAL 9000

Violet blue

RAL 9012

Light blue

RAL 9002

Ultramarine blue

RAL 9013

Sapphire blue

RAL 5005

Signal blue

**Military**

SI31 Textured Transparent Semi Gloss 41/69 (20/60")

SI33 Textured Black Semi Gloss 41/69 (20/60")

Original

Transparent matte

RAL 7031

Blue grey

RAL 9005

Jet black

RAL 6005

NATO green

RAL 7024

Graphite grey

RAL 1015

Desert sand

RAL 9000

Violet blue

RAL 9012

Light blue

RAL 9002

Ultramarine blue

RAL 9013

Sapphire blue

RAL 5005

Signal blue

RAL 3000

Light stone

RAL 6031

Bronze green

RAL 4451

Brunswick green

RAL 7016

Dark sea grey

RAL 5008

[RAF] Blue grey

**Antifouling**

SI14 Color 3141 (20/60")

Transparent

RAL 9005

Jet Black

RAL 3001

Signal Red

RAL 9002

Ultra marine blue

RAL 7004

Signal Grey



# Sample Kits, Test, Touch and Feel

**Sales Demo Kit**  
 Coated Substrates  
 SI110500 (2K)  
 SI150500 (1K)  
 16oz



DEMOPKIT

**Test Kit**  
 SI130250 (2K)  
 SI410250 (2K)  
 SI210250 (2K)  
 SI310250 (2K)  
 SI330250 (2K)  
 SI110250 - LY (2K)  
 8.5oz



DEMOTKIT

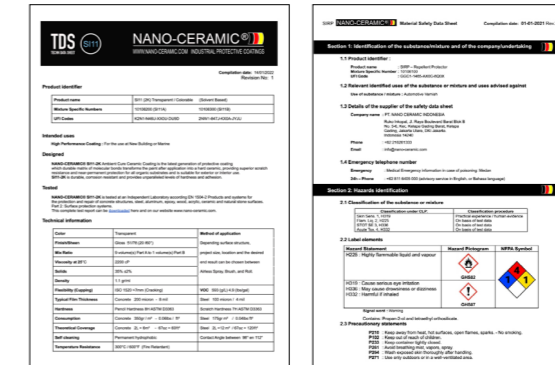
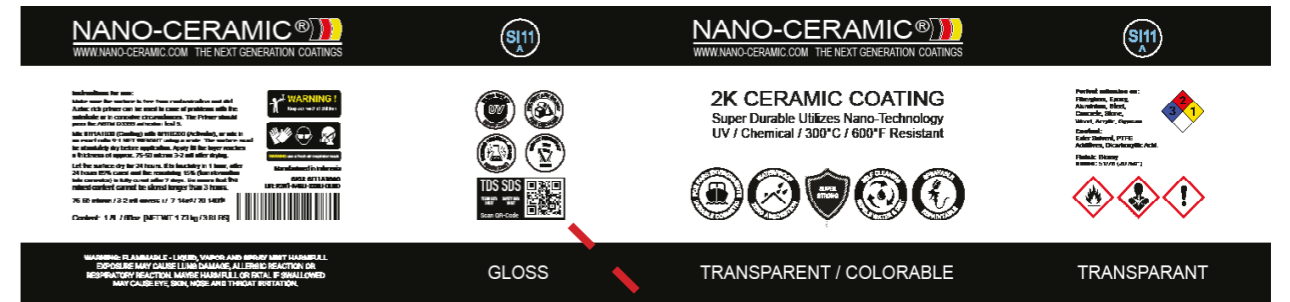
**Substrate Kit**  
 16 different coating and paints



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 INDUSTRIAL PROTECTIVE 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**