NANO-CERAMIC®

WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS

Industrial Objects Permanent Coating System

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 road 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 degradaonmental wear—making it the ideal all-in-one solution to protect exterior and interior surfaces.

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 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 floors, pipelines, storage tanks, bridges and many more.

Whether protecting these surfaces, UVA Topcoat simplifies your workflow and maximizes value—demonstrating that outstanding durability and protection don't have to come with a premium price.

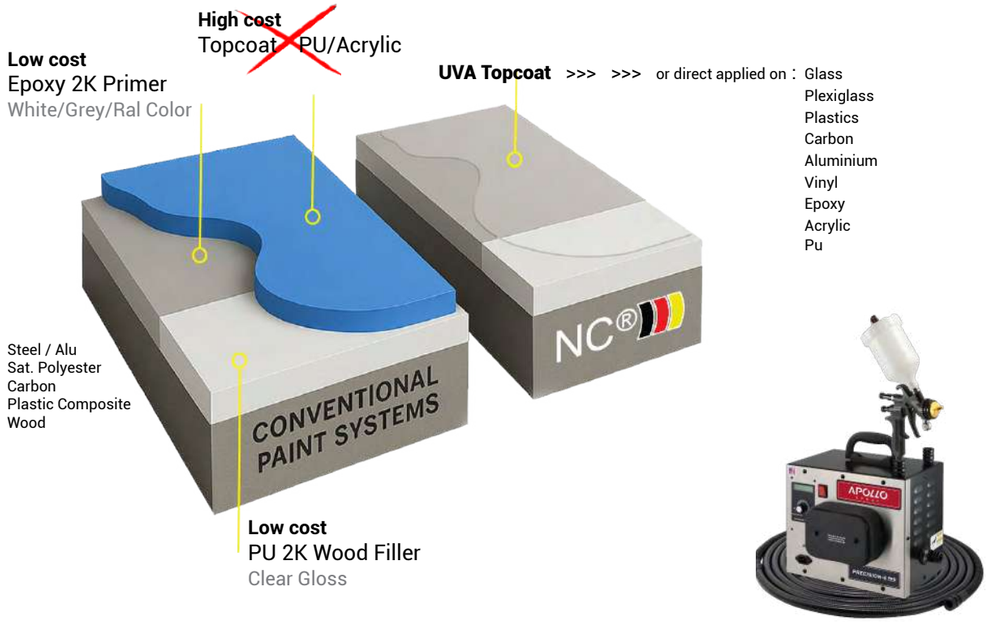
Where can UVA Topcoat be used?

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

- Exterior Structures – Facades, loading bays, storage tanks, and pipelines for long-term weather and UV protection
- Production Areas – Floors, walls, and machinery housings with chemical, abrasion, and impact resistance
- Storage & Logistics Zones – Racks, shelving, conveyor systems, and container exteriors for easy cleaning and durable finish
- Utility Equipment & Framework – Beams, supports, ducts, and enclosures with corrosion resistance against moisture and harsh environments

Compatible with both new installations and maintenance recoats, UVA Topcoat adapts to varied materials and demanding conditions typical in industrial operations.

How it Works



Freedom in Protection Years

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

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

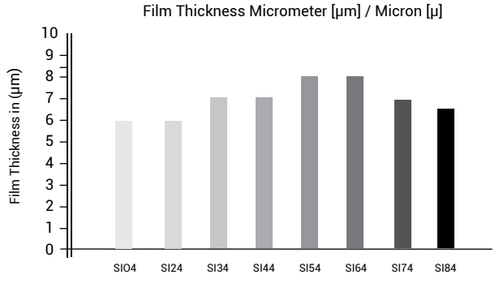
Coverage & Application Efficiency

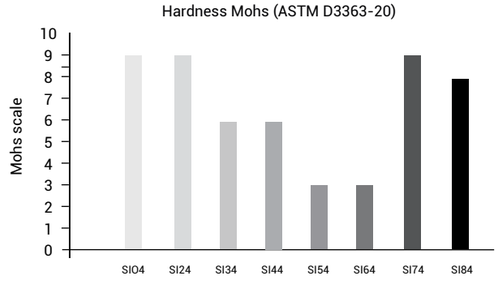
UVA Topcoat is engineered for maximum efficiency with minimal material use—delivering high-performance protection at a fraction of the volume required by traditional coatings.

Recommended usage is approximately ±0.025 lbs/ft² per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one liter covering up to 800 ft²..

Color Tinting Option

For customized aesthetics, UVA Topcoat can be tinted using our colorants on pages 22–23. These high-performance, solvent-free pigments deliver long-lasting color stability and excellent UV resistance—ideal for exterior and interiors, areas where both protection and appearance are essential. Perfect for any visible surface requiring a durable, colored finish without compromising the coating's hydrophobic and chemical-resistant properties.

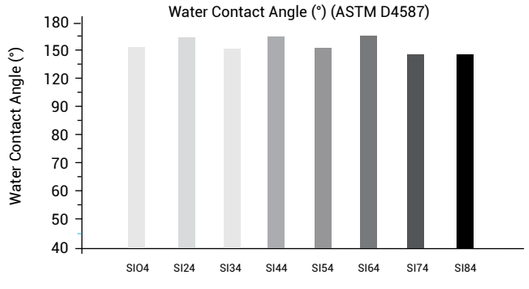




Quality Comparison of paints technologies

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

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



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/ft² - 0.12 oz/ft² 18 micron = 200 ft²
Reachable area : 2 layers +/- 0.050 lbs/ft² - 0.08 oz/ft² 12 micron = 400 ft²
: 1 layer +/- 0.025 lbs/ft² - 0.04 oz/ft² 6 micron = 800 ft²
Hardness/Cupping : H9 / Flexibility ISO 1520 >21mm
Used for : Facades, floors, storage tanks, pipelines dll.
Application field : Buildings, factories, offshore structures, bridges, dll.

How to use: Page 28

SIO4 is an incredibly strong 1-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic.
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation.
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 550°F.

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

Easy to apply Repaintable
Cut maintenance costs
Anti-water spot Anti-corrossion
Permanent hydrophobic
Self-cleaning Cleaner for longer
Anti-scratch
Impact Resistance 30"-2lbs
Protects your investment

TEST REPORT SCAN QR CODE

SI24 1-Component (1K)

Topcoat Transparent
for matte surfaces

Product ID : SI241LUVA 32 oz / 2.13 lbs SI2405UVA 16 oz / 1.05 lbs
Consumption : 3 layers +/- 0.075 lbs/ft² - 0.12 oz/ft² 18 micron = 200 ft²
Reachable area : 2 layers +/- 0.050 lbs/ft² - 0.08 oz/ft² 12 micron = 400 ft²
: 1 layer +/- 0.025 lbs/ft² - 0.04 oz/ft² 6 micron = 800 ft²
Hardness/Cupping : H9 / Flexibility ISO 1520 >21mm
Used for : Facades, floors, storage tanks, pipelines dll.
Application field : Buildings, factories, offshore structures, bridges, dll.

How to use: Page 28

SIO4 is an incredibly strong 1-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic.
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation.
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 550°F

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

Easy to apply Repaintable
Cut maintenance costs
Anti-water spot Anti-corrossion
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.

APPLY VIDEO SCAN QR CODE

WHITE UVAWH0100

Masstone to Transparent Tint

SI080 **0.32 oz**

BLACK UVABK0100

Masstone to Transparent Tint

S9938 **0.32 oz**

YELLOW UVAYE0100

Masstone to Transparent Tint

S2184 **0.32 oz**

RED UVARD0100

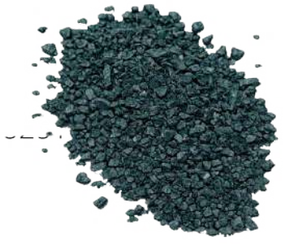
Masstone to Transparent Tint

S4254CN **0.32 oz**

BLEU UVABL0100

Masstone to Transparent Tint

S5007 **0.32 oz**



GREEN UVABL0100

Masstone to Transparent Tint

S7154N **0.32 oz**

What makes NANO-CERAMIC Permanent Coating System so durable?

NANO-CERAMIC permanent coating system is the latest generation of protective coating which transforms paint into a hard ceramic, providing superior scratch resistance and near-permanent protection for all exterior or interior surfaces.

NANO-CERAMIC permanent coating system is 600°F resistant and more than 4 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 decades to come!

Our NANO-CERAMIC permanent coating system is rigorously tested by an independent testing laboratory according to the European standard for outdoor paints (EN 1504-2) as per test report page 19 as here below.

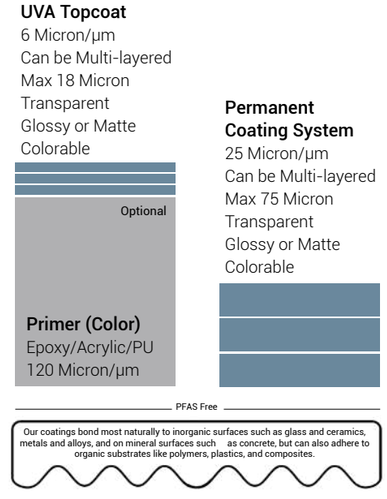
Can NANO-CERAMIC Permanent Coating System be applied on any surface?

The NANO-CERAMIC permanent coating system 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 System self-cleaning?

NANO-CERAMIC permanent coating system 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 system is resistant to water vapor and water absorption.

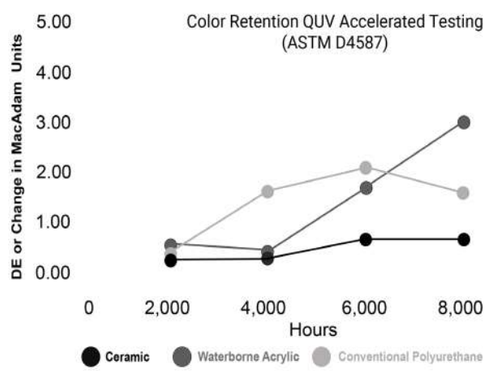
Cross Sections of NC® Coating Systems

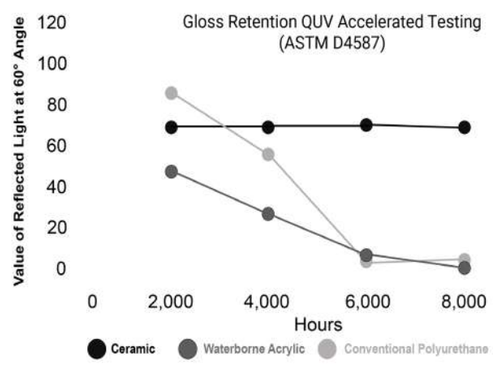


Other paints are simply not suitable for longterm harsh outdoor environments.

In order to avoid poorly maintained properties (concrete rot, chipped and weathered paint, etc) for the next decades, our Permanent Coating System is simply the best solution to keep the value of your investment in place.

Superior in Color & Gloss Retention





A special selection of high grade tinting chemicals computerized dispersed in a superior ceramic resin.

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

Quality Comparison of paints technologies

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

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

Permanent Coating Protection Plan for Industrial Objects

[SIX1] 2K Primer

(Steel / aluminum surfaces)
Primer must pass
ASTM D3359
adhesion test 5.

SIX1 primer should be used in case of substrate problems or corrosive conditions!

2K/1K Egg-shell

[SI13-SI15] Paint White

25/20 Years+ Protection

2K Transparent

[SI11-SI12] Topcoat

30 Year+ Protection

2K Strongest

[SI21-SI22] Paint White

25 Year+ Protection

2K Textured

[SI31] Topcoat Transparent

30 Years+ Protection

If you want to color a transparent topcoat in a custom color, the tinting machine automatically chooses between SI11Transparent or SI21 Medium White

This ensures the highest quality of the final mixture in combination with the most economical use of color pigments.

APPLY VIDEO SCAN QR CODE

SI11/SI12 2-Component (2K)

Topcoat Transparent
for glossy and matt surfaces

How to use: Page 29

Product ID : SI112000 67 oz / 4.2 lbs SI122000 67 oz / 4.4 lbs
Consumption : 3 layers 0.06 lbs/ft² - 0.96 oz/ ft² = 3 mil / 70 ft²
Reachable area : 2 layers 0.04 lbs/ft² - 0.64 oz/ ft² = 2 mil /140 ft²
: 1 layer 0.02 lbs/ft² - 0.32 oz/ ft² = 1 mil / 210ft²
Hardness : H9
Used for : Gelcoat, fiberglass, steel, aluminum, plastics, wood, adiator tubes, walls, floors practically any surface.
Application field : Buildings, factories, offshore structures, bridges, dll.

SI11/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 300°C.

Expected Life Duration up to 30 years+

- **Easy to apply Repaintable**
- **Cut maintenance costs**
- **Anti-water spot Anti-corrosion**
- **Permanent hydrophobic**
- **Self-cleaning stays cleaner longer**
- **Impact Resistance 1kg / 2lbs**
- **Thermal Shock-Resistant**
- **Protects your investment**

TEST REPORT SCAN QR CODE

SI21/SI22 2-Component (2K)

The Strongest White Paint
for glossy and matt surfaces

How to use: Page 29

Product ID : SI212000 67 oz / 5.3 lbs SI222000 67 oz / 5.5 lbs
Consumption : 3 layers 0.044 lbs/ft² - 0.56 oz/ ft² = 3 mil /120 ft²
Reachable area : 2 layers 0.030 lbs/ft² - 0.37 oz/ ft² = 2 mil /160 ft²
: 1 layer 0.014 lbs/ft² - 0.19 oz/ ft² = 1 mil /240 ft²
Hardness : H8
Used for : Gelcoat, fiberglass, steel, aluminum, plastics, wood, adiator tubes, walls, floors practically any surface.
Application field : Buildings, factories, offshore structures, bridges, dll.

SI21/SI22 is a medium white 2-component paint that binds molecules and (conversion to ceramic) provides permanent protection on applied surfaces.

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 300°C

Expected Life Duration up to 25 year+

- **Easy to apply Repaintable**
- **Cut maintenance costs**
- **Anti-water spot Anti-corrosion**
- **Permanent hydrophobic**
- **Self-cleaning stays cleaner longer**
- **Impact Resistance 1kg / 2lbs**
- **Thermal Shock-Resistant**
- **Protects your investment**

APPLY VIDEO SCAN QR CODE

SI31 2-Component (2K)

Textured Transparent Semi Gloss
antislip - high inpact resistant

How to use: Page 29

Product ID : SI312000 67 oz / 4.6 lbs
Consumption : 3 layers 0.050 lbs/ft² - 0.76 oz/ ft² = 3 mil / 90ft²
Reachable area : 2 layers 0.033 lbs/ft² - 0.51 oz/ ft² = 2 mil / 180ft²
: 1 layer 0.017lbs/ft² - 0.25 oz/ ft² = 1 mil / 270ft²
Hardness : H9
Used on : Gelcoat, fiberglass, steel, aluminium,
: plastics, wood, virtually any surface.
Application area : Buildings, factories, offshore structures, bridges, dll.

SI31 is a clear solvent-based ceramic coating, linked with a ceramic activator, available in semi-gloss and includes sprayable nano particles. Known for its exceptional durability, this coating easily applies to any organic surface without needing a primer. Its textured design makes it perfect for anti-slip needs.

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

Expected Life Duration up to 30 years+

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

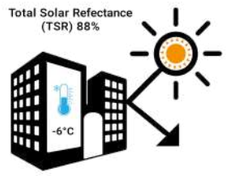
APPLY VIDEO SCAN QR CODE

SI13 (2K) / SI15 (1K)

The Coolest White Paint
for egg-shell surfaces

How to use: Page 29

Product ID : SI132000 67 oz / 7.3 lbs SI152000 67 oz / 6.6 lbs
Consumption : 2 layers 0.050 lbs/ft² - 0.48 oz/ ft² = 3.5 mil / 140 ft²
Reachable area : 1 layers 0.025 lbs/ft² - 0.24 oz/ ft² = 1.8 mil / 280 ft²
Hardness : H7
Used for : Concrete, steel, wood, acrylic, gypsum
Application field : Buildings, factories, offshore structures, bridges, dll.



SI13/SI15 is an incredibly strong 2-component eggshell 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 300°C

Expected Life Duration up to 25 year+ or 20 year+

Easy to apply Repaintable
Cut maintenance costs
Anti-water spot Anti-corrossion
Permanent hydrophobic
Self-cleaning stays cleaner longer
Impact Resistance 1kg / 2lbs
Thermal Shock-Resistant
Protects your investment

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.

Prisma-RT

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**

Yelllow
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 220 lbs

Residential

SI13 White Egg-Shell (Flat Finish) 15/25 (20/60°)
SI15 White Egg Shell (Flat Finish) 18/28 (20/60°)
SI21 White Gloss 49/77 (20/60°)
SI22 White Satin 33/59 (20/60°)
SI41 Textured White Semi Gloss 41/69 (20/60°)
SI42 Textured White Matte 11/21 (20/60°)

Original — Cool white
RAL 9018 — Papyrus white
RAL 3015 — Light pink
RAL 9001 — Cream white
RAL 9022 — Pearl light grey
RAL 5007 — Pastel blue
RAL 9002 — Grey white
RAL 9023 — Pearl dark grey
RAL 4009 — Pastell violet
RAL 9003 — Signal white
RAL 1000 — Green beige
RAL 6027 — Light green
RAL 9004 — Signal black
RAL 1001 — Beige
RAL 7000 — Squirell grey
RAL 9005 — Jet black
RAL 1002 — Sand yellow
RAL 1036 — Pearl gold
RAL 9006 — White aluminium
RAL 1011 — Brownbeige
RAL 8029 — Pearl copper
RAL 9007 — Grey aluminium
RAL 1013 — Pearl white
RAL 4012 — Pearl blackberry
RAL 9010 — Pure white
RAL 1014 — Ivory
RAL 5025 — Pearl gentian blue
RAL 9011 — Graphite black
RAL 1015 — Light ivory
RAL 6036 — Pearl opal green
RAL 9016 — Traffic white
RAL 9017 — Traffic black
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 7001 — 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°)

Military

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

Original — Cool white
RAL 3000 — Fire red
Transparent matte
Light stone
RAL 9010 — Pure white
RAL 3004 — Burgundy
RAL 7031 — Blue grey
RAL 6031 — Bronze green
RAL 9001 — Cream white
RAL 7036 — Platium
RAL 9005 — Jet black
RAL 6451 — Brunswick green
RAL 5023 — Distant blue
RAL 9005 — Jet Black
RAL 6006 — NATO green
RAL 7015 — Dark sea grey
RAL 1023 — Traffic yellow
RAL 5018 — Turqoise bleu
RAL 7024 — Graphite grey
RAL 5008 — [RAF] Blue grey
RAL 7001 — Silver gray
RAL 6027 — Light green
RAL 1015 — Desert sand
RAL 1015 — Light ivory
RAL 5000 — Violet blue
Camo beige
RAL 9016 — Pure white
RAL 5012 — Light blue
Dark grey camo
RAL 9001 — Cream
RAL 5002 — Ultramarine blue
Dark brown camo
RAL 1001 — Beige
RAL 5013 — Sapphire blue
RAL 6022 — Olive drap
RAL 1020 — Olive yellow
RAL 5005 — Signal blue
Very dark drap

Antifouling

SI14 Color 31/41 (20/60°)

Transparent
RAL 9005 — Jet Black
RAL 3001 — Signal Red
RAL 5002 — Ultra marine blue
RAL 7004 — Signal Grey

SIX1

2-Component (2K)

Primer Epoxy Polyamide
heavy duty - anti-corrosion

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

Fast Repaintable

Excellent adhesion

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

SIX2

2-Component (2K)

Primer Surfacer Acrylic Alkyd
smooth - surface modifier

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

Fast Repaintable

Excellent adhesion

VOC Free

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

Heavy Duty Primer - Smooth Surfacer

SIX3 2-Component (2K)

Primer PU Wood Filler
surface modifier - absorbtion reducer

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

Fast Repaintable

Excellent adhesion

SIX3 is a solvent borne transparent wood filler. This primer is used as surface modification for, wood or natural stone to reduce capillary absorption and has an excellent adhesion to all organic substrates and towards one of our ceramic top coats. The primer can be applied at a relative humidity of 40-80%.

SIX4 1-Component (1K)

Primer Acrylic Waterbased
all surfaces modifier

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

Fast Repaintable

Excellent adhesion

VOC Free

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.

Wood or Natural Stone - Filler

SIX5 2-Component (2K)

Putty Polyester
ultra smooth - sandable

Product ID : SIX51000-WH/GR 2.2 lbs
Colors : White, Grey
Used on : Metal, wood, fiberglass, concrete, plastics
Application area : Transportation.

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

Fast Repaintable

Excellent adhesion

SOLV Thinner solvent

for all types of our ceramic paint & coating

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

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

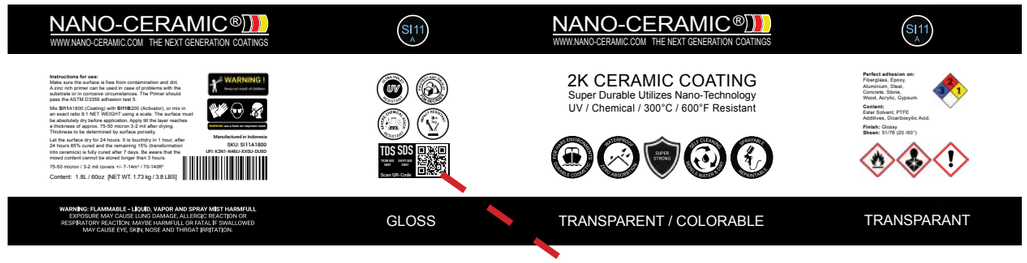
RETA/ACCL Retarder Accelerator

slow down flash time or speed up curing

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

If your application 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.

Scan QR Code for TDS and SDS



Video Application & (Test) Results

SYSTEM CERTIFICATION CERTIFICATION DE SYSTÈMES ISO 9001 SGS

SGS TEST REPORTS SCAN QR-CODE

TECHNICAL VIDEO SCAN QR-CODE

TEST REPORT EN 1504-2 SCAN QR-CODE

TÜV SÜD

How to use our UVA Coating System:

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

Processing Temperature:
Ambient temperature: 41-86°F
Avoid direct sunlight, Rain and /or high humidity.

IMPORTANT:
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend using a paint suit, respirator mask and latex or nitrile gloves.

Outfit/Applicators:

Fresh Air Respirator

Paint Suit

Nitrile gloves

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

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.

Microfiber Roller
(6mm short nap)

Cotton Pads

Paint Brush
(acrylic)

How to use our Permanent Coating System:

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

Processing Temperature:
Ambient temperature: 41-86°F
Avoid direct sunlight, Rain and /or high humidity.

IMPORTANT:
Before you use a NANO-CERAMIC product, please make sure you wear suitable protection gear. We always recommend using a paint suit, respirator mask and latex or nitrile gloves.

Outfit/Applicators:

Fresh Air Respirator

Paint Suit

Nitrile gloves

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

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

Microfiber Roller
(6mm short nap)

Paint Brush
(acrylic)

NANO-CERAMIC®

WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS

The Leader in Durability

Did you know?

That our coatings are made of pure silica sand, which is the most common element on Earth?

Dealer