

# NANO-CERAMIC®



WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



**8 YEARS  
WARRANTY**

**Buildings** UVA Topcoat System

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## The Future of Surface Protection

NANO-CERAMIC® proudly introduces UVA Topcoat, a revolutionary self-leveling protective low VOC coating and paint system (non PFAS) that forms an ultra-hard, glass-like, and hydrophobic barrier.

This advanced formula offers exceptional resistance to highly aggressive chemicals, including petroleum-based liquids, hydrofluoric acid (HF), hydrochloric acid, citric acid, and red wine, while remaining completely food-safe.

Beyond restoring and protecting marble surfaces, UVA Topcoat strengthens and preserves granite, wood-varnished, and PVC-laminated countertops and tabletops, ensuring long-term durability.

Additionally, it acts as a high-performance protective barrier for polyester, epoxy, polyurethane, and acrylic resins, significantly enhancing their resistance to wear, chemicals, and environmental degradation—making it an exceptionally versatile solution for virtually any surface.

### Why is the UVA Topcoat Revolutionary?

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.

### Introducing UVA: The Next Generation of Topcoats

UVA Topcoat is a breakthrough high-performance coating that offers unmatched UV resistance, extreme durability, and long-term surface protection. Engineered with cutting-edge nanotechnology, it creates a transparent, ultra-thin shield that outperforms traditional topcoats in every way.

### Why UVA Topcoat Changes the Game

**Superior UV Protection** – Blocks UVA radiation, preventing surface degradation and discoloration from underlying surfaces.

**Extended Lifespan** – Unlike epoxy, PU, and acrylic, UVA resists yellowing, chalking, and cracking, UVA Topcoat is maintaining its integrity over time.

## Where can UVA Topcoat be applied.

UVA Topcoat works on virtually any surface—both new and existing—and is compatible with a wide range of base layers, including epoxy (SIX1), PU (SIX3), and water-based acrylic (SIX4) primers. Its flexible formulation makes it ideal for both retrofit and new-build scenarios across many industries.

Engineered Flexibility Options:

- **MaxHard LowFlex** – 9H Hardness / Low Flexibility  
Perfect for floors, where hardness and abrasion resistance are key. Minimal cracking due to rigid base.
- **MedHard MedFlex** – 6H Hardness / Medium Flexibility  
Ideal for walls, where some flexibility helps absorb minor surface shifts and reduce cracking.
- **LowHard MaxFlex** – 3H Hardness / Maximum Flexibility  
Designed for rooftops & waterproofing, where thermal and structural movement demands flexibility. Prevents cracking and delamination.
- **MaxHard LowFlex** – 9H Hardness / Low Flexibility Textured Anti-Slip  
Perfect for floors and bathrooms to create antislip areas.
- **MedHard MedFlex** – 6H Hardness / Medium Flexibility Eggshell-Flat White  
Ideal for walls and ceilings.

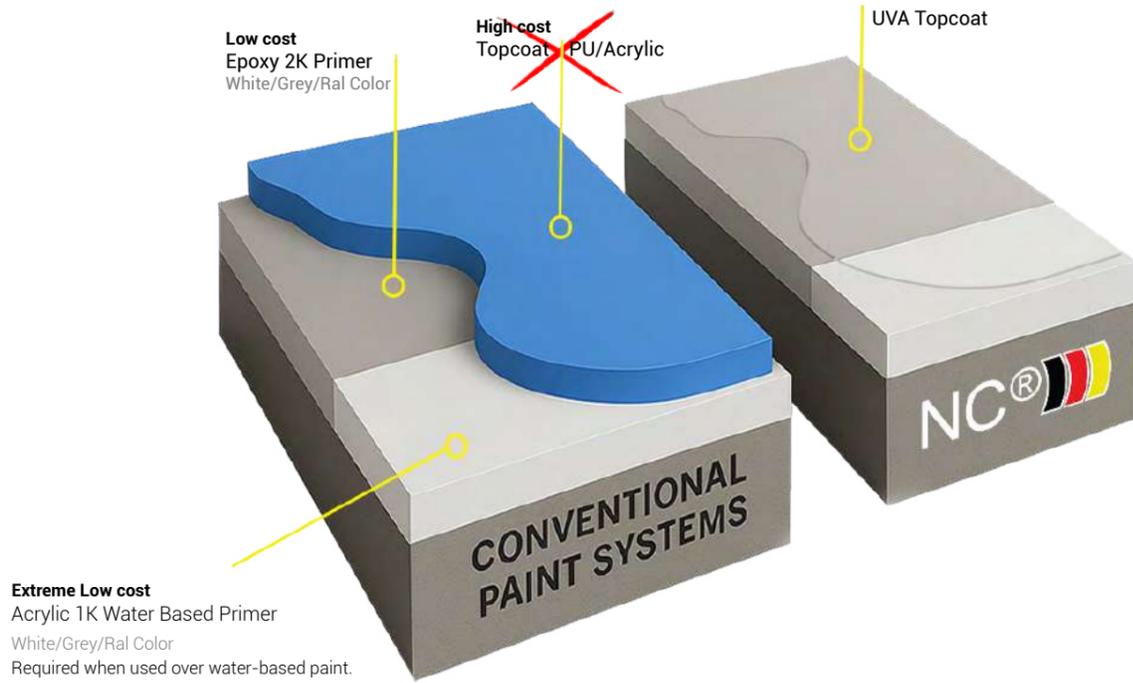
### Superior Performance at the Lowest Cost.

UVA Topcoat isn't just another coating—it's a next-generation solution that replaces complex and expensive multi-layer systems with a single, high-performance layer.

By applying directly over low-cost primers, UVA Topcoat eliminates the need for expensive finishing coats. Its smart chemistry and simplified process make traditional topcoat systems outdated by comparison.

Whether for industrial, marine, infrastructure, or decorative use, UVA Topcoat simplifies your process and multiplies your value—proving that true performance doesn't have to come at a high price.

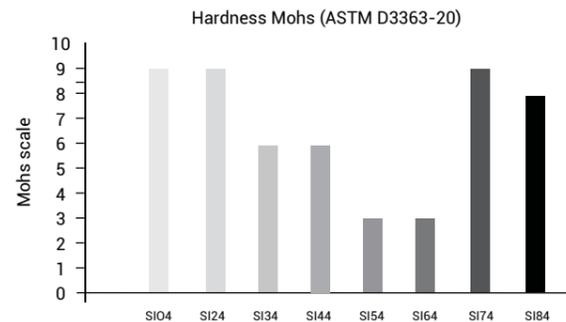
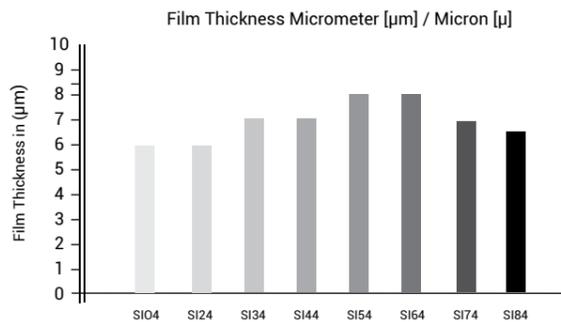
## How it Works



**Extreme Low cost**  
Acrylic 1K Water Based Primer  
White/Grey/Ral Color  
Required when used over water-based paint.

## Superb adhesion on virtually any substrate

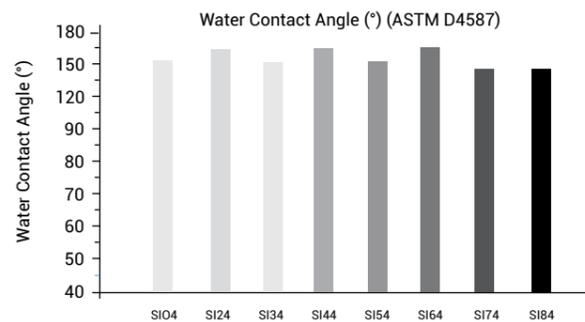
Substrate	Suitability	Substrate	Application Suitability
Concrete / Cement / Plaster	Excellent	Plexiglass	Excellent
Fibre Cement Boards	Excellent	Plastics	Excellent
Gypsum Boards	Excellent	Tarpaulin (PVC)	Excellent
Brick / Masonry	Excellent	Aluminium	Excellent
Acrylic Latex (Water-Based)	Excellent	Epoxy (2K)	Good (sand first)
Acrylic / Emulsion Paint	Excellent	Elastomeric Paint (Aqua Proof)	Good (sand first)
Steel / Zinc	Excellent	Mild Steel (Clean or Light Rust)	Good (with rust convertor)
Marble / Ceramics	Excellent	Polyurethane PU (2K)	Fair (sand first)
Glass	Excellent	Alkyd (Solvent based)	Fair (sand and clean first)



## 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	600°F
Thermal Shock Resistance	Good	Good	<b>Poor</b>	Good	Excellent
Carbon Dioxide Permeability	<b>Poor</b>	<b>Poor</b>	Good	<b>Poor</b>	Excellent
Permeability water vapour	<b>Average</b>	<b>Average</b>	Good	<b>Average</b>	Excellent
Water Absorption Rate	<b>5-15%</b>	<b>1%</b>	<b>2%</b>	<b>3%</b>	0%
Aging at 158°F	<b>Poor</b>	<b>Poor</b>	Good	<b>Average</b>	Excellent
Adhesion Strength Pull-off	<b>Poor</b>	<b>Average</b>	Good	<b>Poor</b>	Excellent
Impact Resistance	<b>Poor</b>	<b>Average</b>	Good	<b>Poor</b>	Excellent
Anti-Graffiti	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Anti-Termite (Wood)	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Hydrophobic Self Cleaning	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Easy to Clean	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	Yes
Total Solar Reflectance (TSR)	<b>60</b> (white)	<b>60</b> (white)	60 (white)	<b>60</b> (white)	88 (white)
Expected Lifetime in Years	<b>&lt;7</b>	<b>&lt;7</b>	<5-15	<5-15	8/16/24



## 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 per square foot per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one 32 oz container covering up to 800 ft<sup>2</sup>.

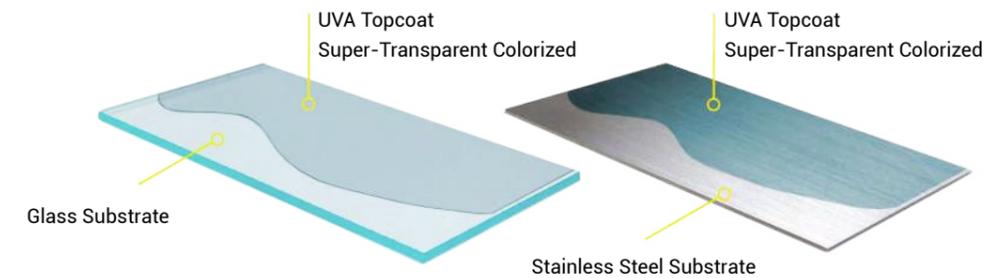
## Redefining the Limits: Color for Ultra-Thin Protection

Blending NANO-CERAMIC® Super Transparent Colorants into our UVA Topcoat creates vibrant, transparent finishes that offer both striking visual appeal and advanced surface protection. These super-transparent colorants are specifically formulated to deliver clear, halogen-free color effects—ideal for applications where the underlying surface, such as glass or metallic layers, should remain visible. Unlike traditional opaque pigments used for solid-color coatings, this formulation maintains clarity while adding durable color.

This advanced coating system is ideal for architectural glass, wall partitions, furniture components, signage, and display surfaces—transforming everyday glass into design-driven, functional elements. The system supports a wide range of RAL-based shades, allowing for delicate, precise tinting of the topcoat layer without compromising its film integrity or transparency. This makes it possible to design with color while maintaining clarity, thinness, and technical performance—especially important in modern interior and exterior applications.

These pigment dispersions offer extremely low VOC contribution, outstanding dispersion behavior, excellent thermal and UV stability, and high scratch resistance—making them the perfect choice for high-performance ultra-thin or effect-driven coating systems.

When applied to glass, the combination of colorants and UVA Topcoat not only provides subtle, elegant color but also enhances functionality. The surface gains long-term scratch resistance, chemical durability, and hydrophobic properties that make it easier to clean and maintain.



## New Potential through Transparency and Color Strength

This advanced hybrid coating system—combining UVA Topcoat, with the NANO-CERAMIC® Super Transparent Colorants—enables a wide range of high-value creative and industrial applications, especially where clarity, durability, and refined aesthetics are required.

In architectural and interior design, the coating can be applied to glass walls and partitions to create lightly tinted, UV- and scratch-resistant privacy panels that enhance modern office and hospitality spaces. Tempered glass backsplashes in kitchens gain soft transparent hues that are heat- and stain-resistant and easy to clean.

Shower enclosures benefit from anti-fingerprint, water-repellent, and chemical-resistant properties, along with a soft decorative tint. Lighting diffusers and panels are enhanced with UV-stable translucent coatings that reduce glare and soften illumination.

Sinks and bathtubs made of porcelain or melamine can be coated with a translucent layer over white, creating remarkable effects.

On balconies and staircases, tinted coatings are applied directly to the glass balustrades and steps, adding both durability and visual appeal.

For furniture and product design, the coating creates a refined, lightly tinted finish on cabinet doors, especially glass inserts. Tables used in dining or conference settings gain scratch-resistant, easy-clean surfaces in modern tones. Frosted or semi-gloss finishes on floating shelves and sliding glass doors elevate minimalist design with subtle color.

Glass facades can be retrofitted by light sanding and applying our exterior UVA topcoat. This process gives tall buildings a modern look, while the windows repel water, dirt, and block solar heat before it reaches the glass.

It also integrates seamlessly with switchable glass and LC/PDLC panels, adding both surface protection and color flexibility. Signage and display panels benefit from clean, consistent finishes, ideal for branding and backlit applications.

## Expanding Beyond Glass: Solutions for Stainless Steel

The advanced hybrid coating system also performs exceptionally well on stainless steel and other metal surfaces, offering not only functional protection but also a refined visual finish. When applied as an ultra-thin layer, the coating enhances surface durability while preserving the material's natural texture and reflectivity.

It significantly improves scratch resistance, reduces fingerprint visibility, and increases chemical and corrosion resistance—making stainless steel easier to maintain in both private and public environments.

By incorporating NANO-CERAMIC® Super Transparent Colorants, the coating can introduce elegant color tones such as warm gray, smoke, champagne, or bronze. These subtle tints provide a modern, high-end appearance without obscuring the metal's surface quality. The result is a finish that looks sophisticated yet remains highly functional under daily use.

This makes the system ideal for applications in interior architecture, appliance surfaces, kitchen and bathroom fixtures, elevator panels. It adheres well to stainless steel or aluminium and retains transparency and performance even at film thicknesses below 15 microns.

With this combination of durability and design flexibility, the coating extends its value far beyond glass into high-touch, high-visibility metal environments.

## Multi-Talent in Application

UVA Topcoat isn't just versatile in where it's used—but also in how it's applied. Its advanced leveling and viscosity make it easy to apply using tools you already have.

Application Options (Examples):

- Countertops & Tables: Wipe on with cotton pads or spunbond wipes.
- Walls (Interior/Exterior): Roll on with ¼" (6 mm) short-nap microfiber roller.
- Metal Panels & Large Surfaces: Spray on with any system (HVLP recommended).



## Optimal Spray Application with HVLP

For best results and minimal waste, HVLP (High Volume Low Pressure) spray guns are recommended.

Transfer efficiency: HVLP: 60–90%, Conventional air spray: 25–40%

Why HVLP?

- Significantly reduces overspray
- Less risk of air contamination (air spray gun carries this risk).
- Lowers material waste
- More cost-effective and environmentally friendly
- Ensures uniform film build with superior leveling

Working pressure: ca. 2 – 3 bar

Nozzles: 0.8–1.3 mm 0.03-0.05"

By combining precision application with ultra-low film thickness, UVA Topcoat sets a new standard for coating efficiency—without compromising durability or performance.

### Application to Primer "Examples"

### Direct to Substrate "Examples"



FLOORS



WOOD



INTERIORS



MARBLE COUNTERTOPS



GLASS STAIRS



SHOWER GLASS



BUILDINGS



NATURAL STONE



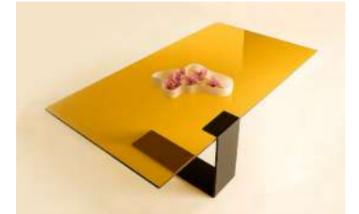
BATHROOMS



HPL-LPL TABLE TOPS



BACKSPLASH



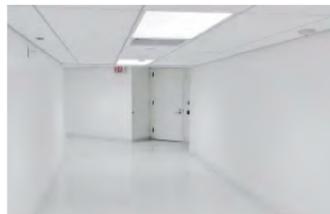
FURNITURE



WATERPROOFING



CONCRETE



HALL WAYS



VARNISHED TABLE TOPS



KITCHENS



ELEVATORS



ROOFING



NON-SLIP FLOORS



RENEW TILES



RENEW ACP PANELS



SANITARY WARE



SHELVES



FIBERGLASS MEMBRANES



POOLS



INFRASTRUCTURE



WALL PAINT



GLASS BALUSTRADES



COLORLED FLOORS



PVC SHEETS



STADIUM CHAIRS



ROOF TILES



BRIDGES



FACTORIES



GLASS FACADES

## 8 High-Tech UVA Topcoats will do the job



**Topcoat Transparent H9**  
for glossy surfaces  
SIO41LUVA (1K) 8 Years+  
32 oz / 2.03 lbs



**Topcoat Transparent H9**  
for matte surfaces  
SI241LUVA (1K) 8 Years+  
32 oz / 2.13 lbs



**Topcoat Transparent H9**  
for glossy surfaces  
SIO405UVA (1K) 8 Years+  
16 oz / 1 lbs



**Topcoat Transparent H9**  
for matte surfaces  
SI2405UVA (1K) 8 Years+  
16 oz / 1.05 lbs



**Topcoat Transparent H6**  
for glossy surfaces  
SI341LUVA (1K) 8 Years+  
32 oz / 2.03 lbs



**Topcoat Transparent H6**  
for matte surfaces  
SI441LUVA (1K) 8 Years+  
32 oz / 2.13 lbs



**Topcoat Transparent H6**  
for glossy surfaces  
SI341LUVA (1K) 8 Years+  
16 oz / 1 lbs



**Topcoat Transparent H6**  
for matte surfaces  
SI441LUVA (1K) 8 Years+  
16 oz / 1.05 lbs



**Topcoat Transparent H3**  
for glossy surfaces  
SI541LUVA (1K) 8 Years+  
32 oz / 2.03 lbs



**Topcoat Transparent H3**  
for matte surfaces  
SI641LUVA (1K) 8 Years+  
32 oz / 2.13 lbs



**Topcoat Transparent H3**  
for glossy surfaces  
SI541LUVA (1K) 8 Years+  
16 oz / 1 lbs



**Topcoat Transparent H3**  
for matte surfaces  
SI641LUVA (1K) 8 Years+  
16 oz / 1.05 lbs



**Anti-Slip Transparent H9**  
for semi-glossy surfaces  
SI741LUVA (1K) 8 Years+  
32 oz / 2.18 lbs



**Topcoat Eggshell H6**  
for flat white surfaces  
SI841LUVA (1K) 8 Years+  
32 oz / 2.63 lbs



**Anti-Slip Transparent H9**  
for semi-glossy surfaces  
SI741LUVA (1K) 8 Years+  
16 oz / 1 lbs



**Topcoat Eggshell H6**  
for flat white surfaces  
SI841LUVA (1K) 8 Years+  
16 oz / 1.05 lbs

## Primers Prepare and Modify Surfaces



SIX11250 - White or Grey **42 oz / 3.2 lbs**  
SIX15000 - White or Grey **1.32 gal / 12.8 kg**  
**Other RAL Colors 250 pcs 5 L**

### 2K Epoxy Polyamide Primer

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

Highlights:

- High build epoxy primer
- Good rust resistance
- Very good covering power
- Very ideal for full body painting



SIX21250 - White **42 oz / 3.2 kg**  
SIX21250 - Grey **1.32 oz / 1.2 kg**

### 2K Acrylic Alkyd Surfer

High quality 2K Surfer 2 (two) component base coating for auto-refinish, marine and industrial coating applications

Highlights:

- Short sanding time, only 30 minutes
- Good adhesion to the substrate
- Adhesion between layers is good
- Super smooth surface



SIX31500-Clear **51 oz / 3.3 lbs**

### 2K PU Primer - Wood Filler

Polyurethane 2 (two) component non-sanding base coating for reducing uneven absorption rates in wood applications.

Highlights:

- Just 1 layer
- Quick drying
- No need to sand
- Adhesion to the substrate is very good



SIX41000 - White or Grey **32 oz / 2.65 lbs**  
SIX44000 - White or Grey **1 gal / 10.6 kg**  
**Other RAL Colors 250 pcs 4 L**

### 1K Acrylic Water-based Primer

High quality Acrylic 1 (one) component all surface primer Bonds to wood, plaster, concrete, gloss enamels, hardboard, glass and tiles without sanding :

- Easy to apply, no need to mix hardener
- Rust resistant, Stain Killer suitable for light duty primer
- Use any Topcoat solvent based or water based
- Resists the growth of mold and mildew on primer film in damp, humid environments.



SIX51000 - White **2.2 lbs**  
SIX51000 - Grey **2.2 lbs**

### Dempul Poliester 2K Fleksibel

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

Highlights:

- Perfect adhesion on: Metal, Wood, Fiberglass Concrete, Stone, and Plastic.
- Quik dry and sandable 20-30min.
- Fine super smooth finish

## 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

# SIO4 1-Component (1K)

## H9 UVA 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> - 0.12oz/ft<sup>2</sup> 18 micron = 200 ft<sup>2</sup>
- Reachable area** : 2 layers +/- 0.050 lbs/ft<sup>2</sup> - 0.08oz/ft<sup>2</sup> 12 micron = 400 ft<sup>2</sup>  
: 1 layer +/- 0.025 lbs/ft<sup>2</sup> - 0.04oz/ft<sup>2</sup> 6 micron = 800 ft<sup>2</sup>
- Hardness/Cupping** : H9 / Flexibility ISO 1520 >0.83"
- Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
- Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SIO4 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

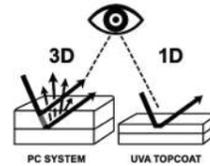
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



-  **Near-permanent**
-  **Anti-corrosion**
-  **Permanent hydrophobic**
-  **Anti-pollution**
-  **Anti-algae**
-  **UV protection**
-  **Self-cleaning Stays cleaner longer**
-  **Impact Resistance 30"- 2 lbs**
-  **Thermal Shock-Resistant**



## Chemical Resistant – Anti-Staining



# SI24

1-Component (1K)

## H9 UVA 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/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 >0.83"
- Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
- Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI24 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

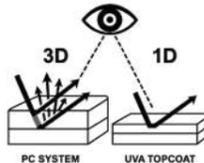
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



-  Near-permanent
-  Anti-corrosion
-  Permanent hydrophobic
-  Anti-pollution
-  Anti-algae
-  UV protection
-  Self-cleaning  
Stays cleaner longer
-  Impact Resistance  
30"-2 lbs
-  Thermal Shock-Resistant



## Anti Scratch - UV Resistant



# SI34

1-Component (1K)

## H6 UVA Topcoat Transparent for glossy surfaces

- Product ID** : SI341LUVA 32 oz / 2.03 lbs SI3405UVA 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** : H6 / Flexibility ISO 1520 >0.94"
- Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
- Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI34 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on glass.
- Superb adhesion even on glass or stainless steel.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

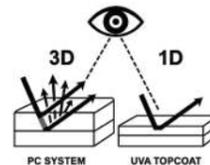
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



-  Near-permanent
-  Anti-corrosion
-  Permanent hydrophobic
-  Anti-pollution
-  Anti-algae
-  UV protection
-  Self-cleaning  
Stays cleaner longer
-  Impact Resistance  
30"-2lbs
-  Thermal Shock-Resistant



## Chemical Resistent - Anti-Corrosion



# SI44 1-Component (1K)

## H6 UVA Topcoat Transparent for matte surfaces

<b>Product ID</b>	: SI441LUVA 32 oz / 2.13 lbs SI4405UVA 16 oz / 1.05 lbs
<b>Consumption</b>	: 3 layers +/- 0.075 lbs/ft <sup>2</sup> - 0.12 oz/ft <sup>2</sup> 18 micron = 200 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness/Cupping</b>	: H6 / Flexibility ISO 1520 >0.94"
<b>Used for</b>	: The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
<b>Application area</b>	: Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI44 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on porcelain, glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

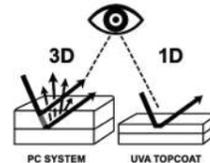
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



Near-permanent



Anti-corrosion



Permanent hydrophobic



Anti-pollution



Anti-algae



UV protection



Self-cleaning  
Stays cleaner longer



Impact Resistance  
30"-2lbs



Thermal Shock-Resistant



## Chemical Resistant - Anti-Stain



# SI54 1-Component (1K)

## H3 UVA Topcoat Transparent for glossy surfaces

- Product ID** : SI541LUVA 32 oz / 2.03 lbs SI5405UVA 16 oz / 1 lbs
- Consumption** : 3 layers +/- 0.075 lbs/ft<sup>2</sup> - 0.12oz/ft<sup>2</sup> 18 micron = 200 ft<sup>2</sup>
- Reachable area** : 2 layers +/- 0.050 lbs/ft<sup>2</sup> - 0.08oz/ft<sup>2</sup> 12 micron = 400 ft<sup>2</sup>  
: 1 layers +/- 0.025 lbs/ft<sup>2</sup> - 0.04oz/ft<sup>2</sup> 6 micron = 800 ft<sup>2</sup>
- Hardness/Cupping** : H3 / Flexibility ISO 1520 >1.02"
- Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
- Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI54 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on epoxy or PU
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

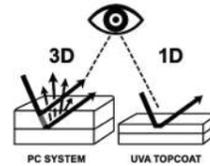
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



## Reflects Sunlight - UV Resistant



-  **Near-permanent**
-  **Anti-corrosion**
-  **Permanent hydrophobic**
-  **Anti-pollution**
-  **Anti-algae**
-  **UV protection**
-  **Self-cleaning Stays cleaner longer**
-  **Impact Resistance 30" - 2 lbs**
-  **Thermal Shock-Resistant**

# SI64

1-Component (1K)

## H3 UVA Topcoat Transparent for matte surfaces

<b>Product ID</b>	: SI641LUVA 32 oz / 2.13 lbs SI6405UVA 16 oz / 1.05 lbs
<b>Consumption</b>	: 3 layers +/- 0.075 lbs/ft <sup>2</sup> - 0.12 oz/ft <sup>2</sup> 18 micron = 200 ft <sup>2</sup>
<b>Reachable area</b>	: 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>
<b>Hardness/Cupping</b>	: H3 / Flexibility ISO 1520 >1.02"
<b>Used for</b>	: The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
<b>Application area</b>	: Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI64 is an incredibly strong 1-component high performance coating and paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface. SI64 is the perfect substitute for PTFE-coated fiberglass, ETFE foils, and membranes that contain PFAS.

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
- Superb adhesion even on glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

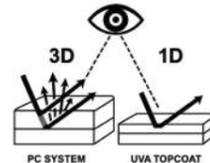
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



Near-permanent



Anti-corrosion



Permanent hydrophobic



Anti-pollution



Anti-algae



UV protection



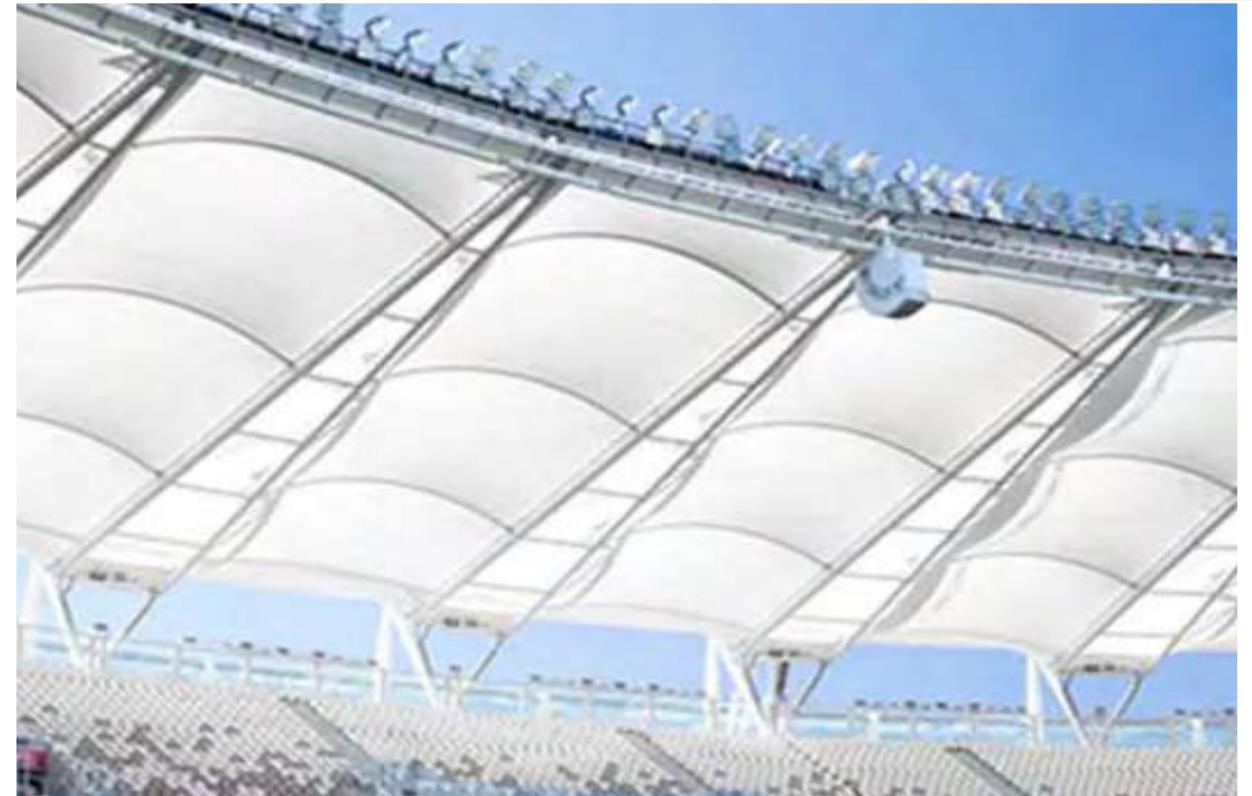
Self-cleaning  
Stays cleaner longer



Impact Resistance  
30" - 2 lbs



Thermal Shock-Resistant



## Hydrophobic - Salt Resistant



# SI74 1-Component (1K)

## H9 UVA Topcoat Transparent for semi-glossy surfaces

- Product ID** : SI741LUVA 32 oz / 2.18 lbs SI7405UVA 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 layers +/- 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 >0.83"
- Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
- Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI74 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

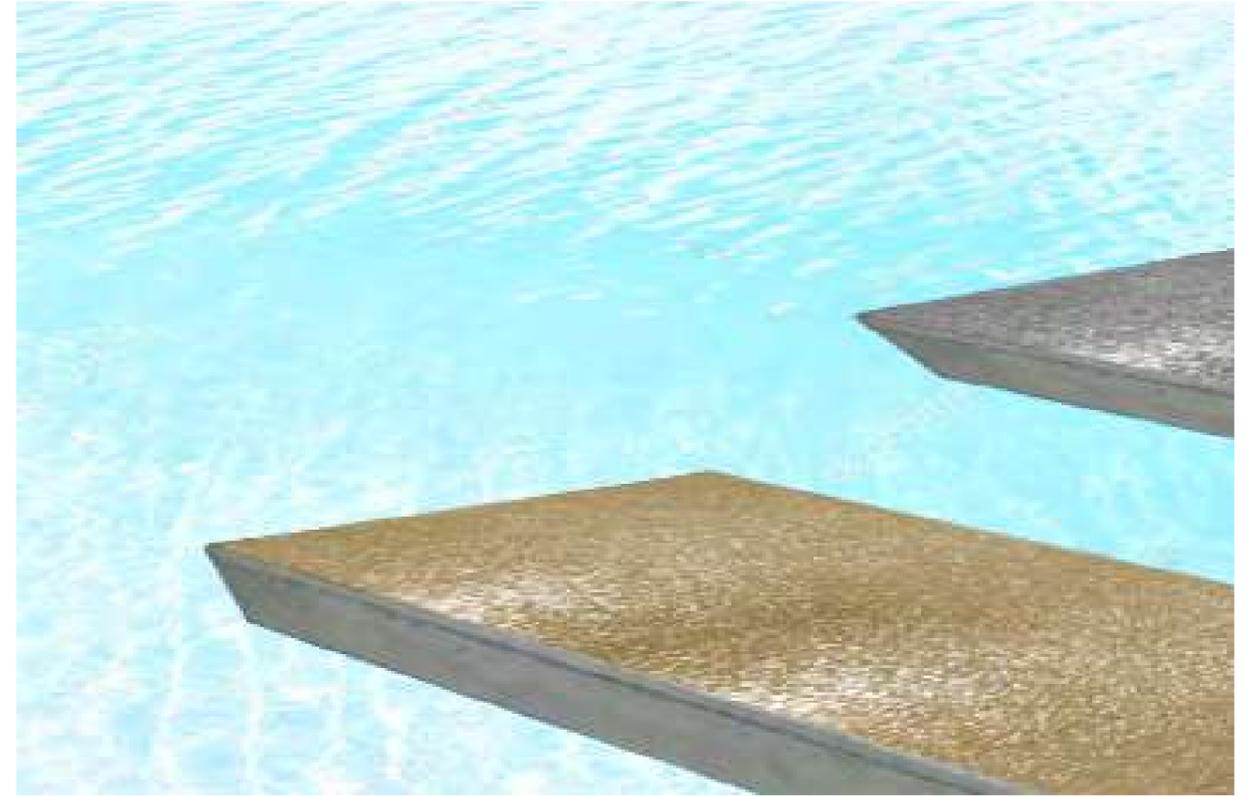
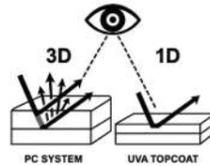
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



## 9H Hardness - Anti-Slip



-  **Near-permanent**
-  **Anti-corrosion**
-  **Permanent hydrophobic**
-  **Anti-pollution**
-  **Anti-algae**
-  **UV protection**
-  **Self-cleaning Stays cleaner longer**
-  **Impact Resistance 30"-2 lbs**
-  **Thermal Shock-Resistant**

# SI84

1-Component (1K)

## H6 UVA Topcoat Transparent for eggshell flat white surfaces

<b>Article</b>	: SI841LUVA 32 oz / 2.63 lbs SI8405UVA 16 oz / 1.05 lbs
<b>Consumption</b>	: 3 layers +/- 0.075 lbs/ft <sup>2</sup> - 0.12 oz/ft <sup>2</sup> 18 micron = 200 ft <sup>2</sup>
<b>Reachable area</b>	: 2 layers +/- 0.050 lbs/ft <sup>2</sup> - 0.08 oz/ft <sup>2</sup> 12 micron = 400 ft <sup>2</sup>
	: 1 layers +/- 0.025 lbs/ft <sup>2</sup> - 0.04 oz/ft <sup>2</sup> 6 micron = 800 ft <sup>2</sup>
<b>Hardness/Cupping</b>	: H6 / Flexibility ISO 1520 >0.83"
<b>Used for</b>	: The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
<b>Application area</b>	: Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

SI84 is an incredibly strong 1-component high performance coating and 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
- Superb adhesion even on glass or stainless steel.
- Can be sprayed multilayered.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

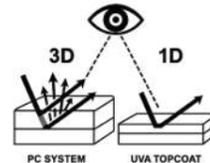
Expected life duration 8-16 or 24 Years (layer thickness)



How to use: Page 39



How does it look visually?



-  Near-permanent
-  Anti-corrosion
-  Permanent hydrophobic
-  Anti-pollution
-  Anti-algae
-  UV protection
-  Self-cleaning  
Stays cleaner longer
-  Impact Resistance  
30"-2lbs
-  Thermal Shock-Resistant



## Zero Absorption - Anti-Scratch



# 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> - 0.4oz z/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

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

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



**Fast Repaintable**

**Excellent adhesion**



## Wood or Natural Stone - Filler

# SIX4

1-Component (1K)

## Primer Acrylic Waterbased

all surfaces modifier - stain killer

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



**Fast Repaintable**

**Excellent adhesion**

**VOC Free**

SIX4 Acrylic Water-Based Primer is a premium, all-purpose primer-sealer with excellent adhesion, stain-blocking, and hiding power. Ideal for both interior and exterior surfaces, it bonds to glossy surfaces without sanding, effectively blocks stains, and provides a smooth foundation for any solvent-based or water-based topcoat



# SIX5 2-Component (2K)

## Putty Polyester ultra smooth - sandable

- Product ID** : SIX51000-WH/GR 2.2 lbs
- Colors** : White, Grey
- Used on** : Metal, wood, fiberglass, concrete, plastics
- Application area** : Buildings, marine, airports, offshore structures, bridges private housing, etc.

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



- Fast Repaintable**
- Excellent adhesion**



## 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

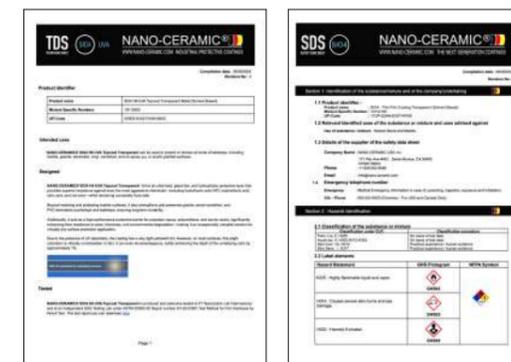
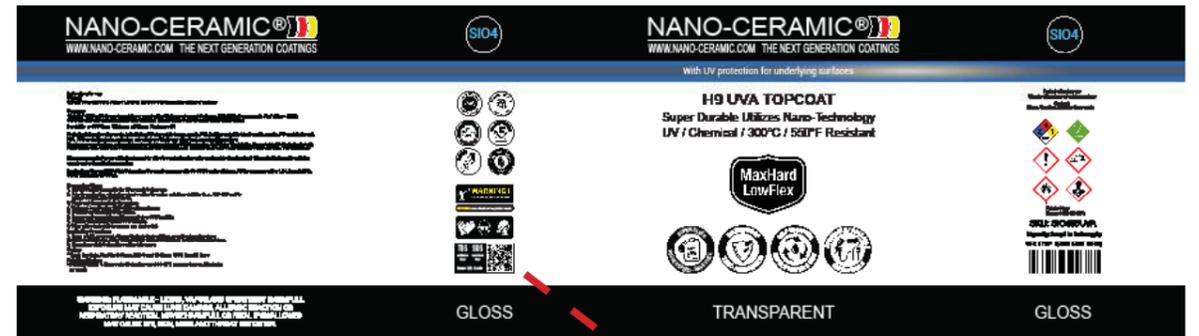
## (Test) Results



## Video Application



## Scan QR Code for TDS and SDS



# SOLV

Thinner solvent

for all types of our ceramic paint & coating



**Product ID** : SOLV0400 14 oz / 0.8 lbs SOLV2000 64oz / 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.

## E-Warranty

Guarantee of quality and reliability of NANO-CERAMIC is guaranteed for 8 years if applied to the maximum thickness as indicated on the product page. This limited product warranty covers the purchaser for installation in a new building application when installed professionally and supervised by an approved installer. The warranty applies only to newly constructed concrete wall applications, and warrant only against discoloration, peeling, cracking or delaminating. No warranty caused by surface/concrete cracks. All claims caused by cleaning chemicals, other than our SHRE Pure Shine Shampoo will be rejected. The warranty is valid only if registered by one of our approved installers through our Dealership Electronic Warranty registration form on our website.

## How to use our UVA Coating System:

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

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

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

### Outfit/Applicators:

**Fresh Air Respirator**

**Paint Suit**

**Nitrile gloves**

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

**Microfiber Roller**  
(6mm short nap)

**Cotton Pads**

**Paint Brush**  
(acrylic)

### Instructions for use:

Protect or Renew; Marble, Granite, Varnished wood, HPL, PVC or Vinyl laminate and Melamine. Creates an easy-to-clean, anti-scratch surface that is resistant to UV Discoloration, HF (Hydrofluoric Acid), 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 0.04–0.05" fluid tip. Set air pressure to 20–30 psi.

### Preparation Steps:

1. Stir the coating thoroughly for 30 seconds before use.
2. Prior to application, strain the mixed coating through a suitable paint filter (e.g., 190–250 µm) to ensure a clean, defect-free spray.
3. Wash and decontaminate the surface.
4. Wet sand / scuff using 1500–2000 grit sandpaper.
5. Mask off any parts not to be coated.
6. Ensure environmental conditions are below 65% humidity.
7. Perform a final clean using 100% acetone.
8. Wipe with a tack cloth to remove any dust or lint.

### Application Procedure:

1. Spray a light, even coat. Allow a 5-minute flash-off time, or until outgassing stops.
2. Apply a second coat. Allow to flash off for at least 15 minutes, or until outgassing stops.
3. Unmask carefully before the coating fully cures.

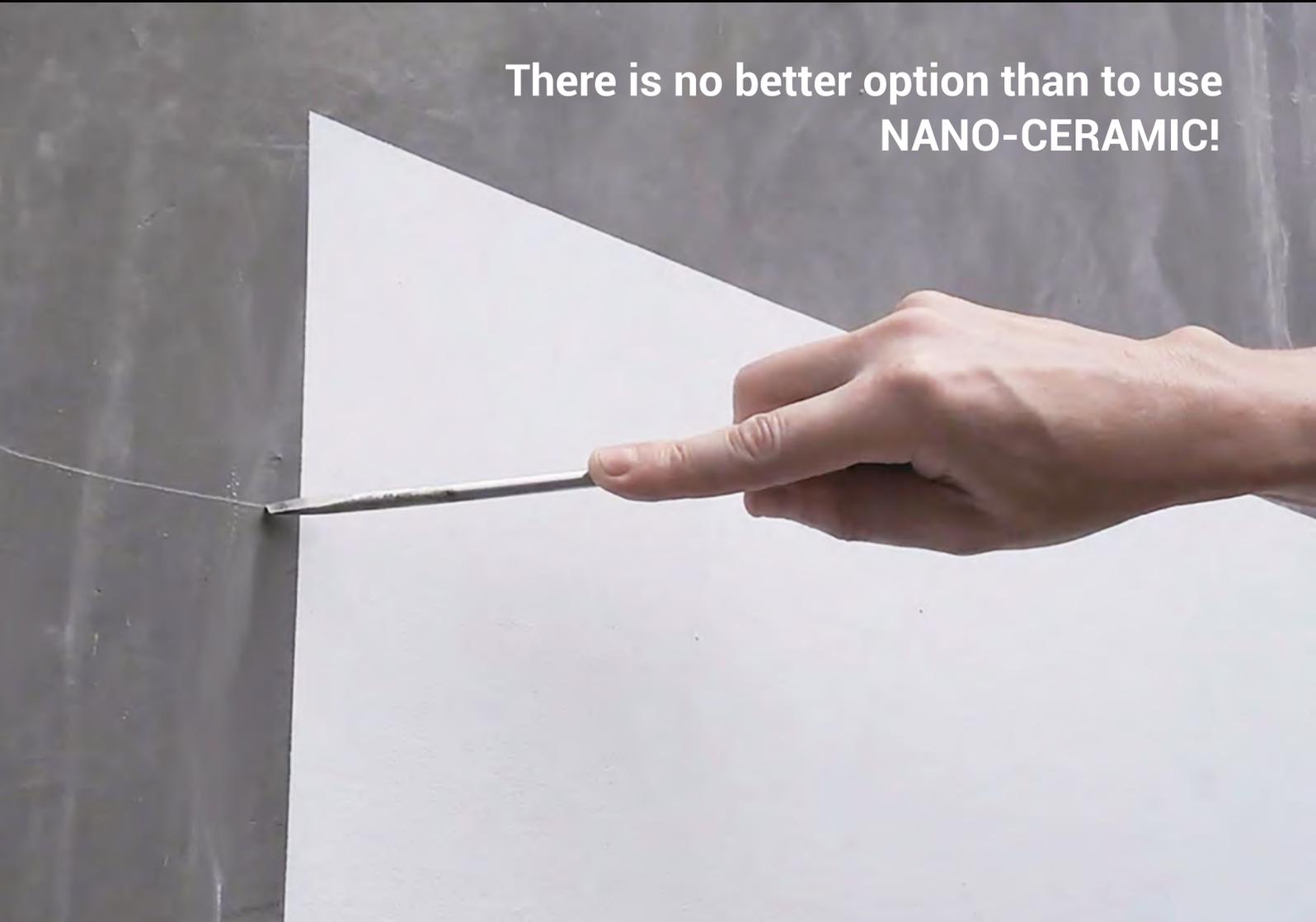
### Curing:

Tough Dry 5min, Hard Dry 2 Hours, 85% Cured 12 Hours, 100% Cured 5 Days  
Refer to the TDS/SDS for more information.

# NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS

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



## *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**