NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS

Buildings UVA Topcoat System

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 surfaces, 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 maintains 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.

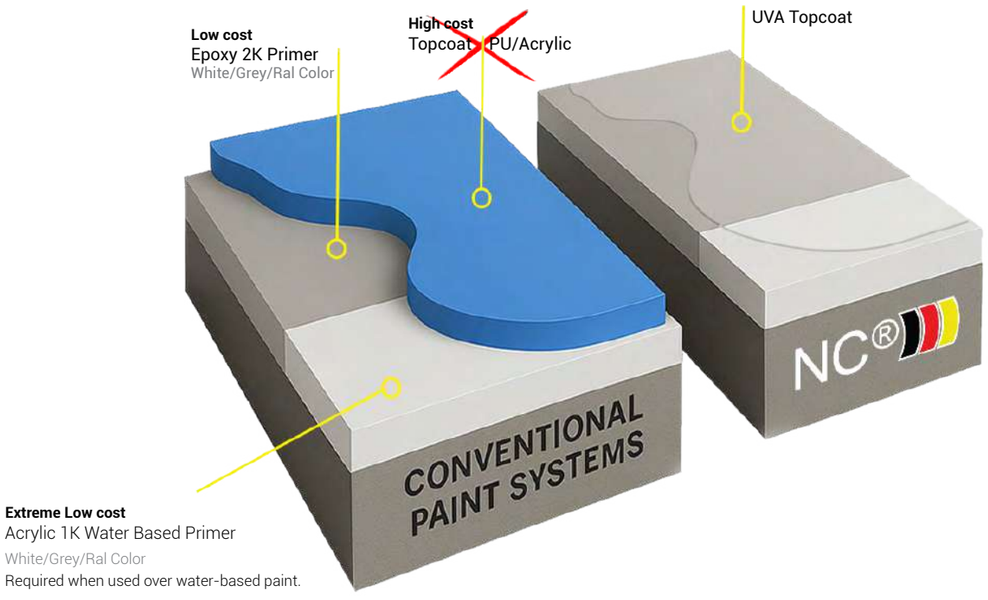
Superior Performance at the Lowest Cost.

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.

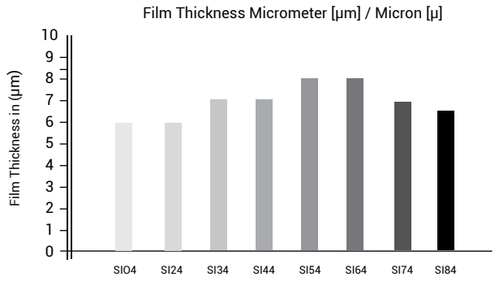
Whether for industrial, marine, infrastructure, or decorative use, UVA Topcoat simplifies your process and multiplies your value—proving that true performance doesn't have to come at a high price.

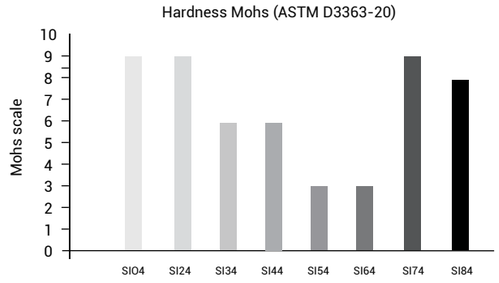
How it Works.



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)

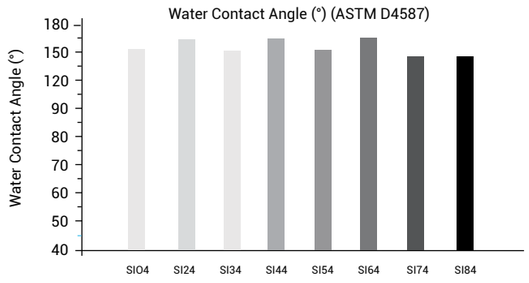




Quality Comparison of Paints Technologies.

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 Topcoat 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	**60°C**	**91°C**	177°C	263°C	300°F
Thermal Shock Resistance	Good	Good	**Poor**	Good	Excellent
Carbon Dioxide Permeability	**Poor**	**Poor**	Good	**Poor**	Excellent
Water Vapour Permeability	**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	8/16/24



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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 ±12.5 g/m² per layer (by wipe or spray), resulting in a film thickness of around 6 microns, with one liter covering up to 80 m².

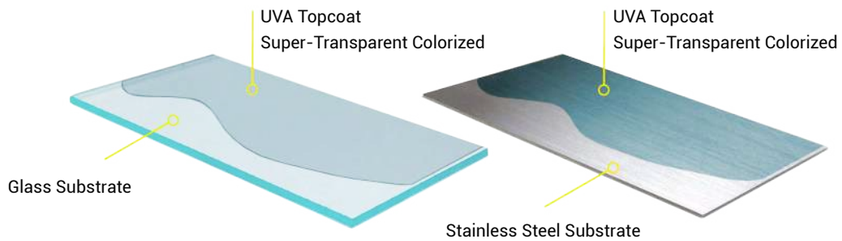
Redefining the Limits: Color for Ultra-Thin Protection.

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, and 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%

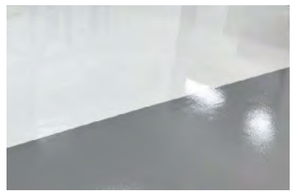
Why HVLP?

- 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”


FLOORS


WOOD


INTERIORS


BUILDINGS


NATURAL STONE


BATHROOMS


WATERPROOFING


CONCRETE


HALL WAYS


ROOFING


NON-SLIP FLOORS


RENEW TILES


FIBERGLASS MEMBRANES


POOLS


INFRASTRUCTURE


PVC SHEETS

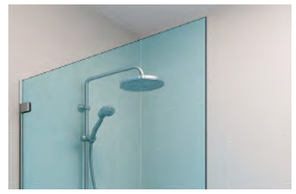

STADIUM CHAIRS


ROOF TILES

Direct to Substrate “Examples”

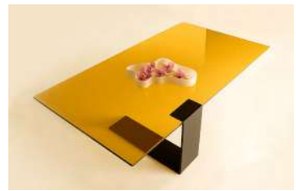

MARBLE COUNTERTOPS


GLASS STAIRS


SHOWER GLASS


HPL-LPL TABLE TOPS


BACKSPLASH


FURNITURE


VARNISHED TABLE TOPS


KITCHENS


ELEVATORS


RENEW ACP PANELS


SANITARY WARE


SHELVES


WALL PAINT


GLASS BALUSTRADES


COLORED FLOORS


BRIDGES


FACTORIES


GLASS FACADES

8 High-Tech UVA Topcoats will do the job.

Topcoat Transparent H9
for glossy surfaces
SIO41LUVA (1K) 8+ years
1 L / 920 gr

Topcoat Transparent H9
for matte surfaces
SI241LUVA (1K) 8+ years
1 L / 970 gr

Topcoat Transparent H9
for glossy surfaces
SIO405UVA (1K) 8+ years
500 ml / 460 gr

Topcoat Transparent H9
for matte surfaces
SI2405UVA (1K) 8+ years
500 ml / 485 gr

Topcoat Transparent H6
for glossy surfaces
SI341LUVA (1K) 8+ years
1 L / 920 gr

Topcoat Transparent H6
for matte surfaces
SI441LUVA (1K) 8+ years
1 L / 970 gr

Topcoat Transparent H6
for glossy surfaces
SI341LUVA (1K) 8+ years
500 ml / 460 gr

Topcoat Transparent H6
for matte surfaces
SI441LUVA (1K) 8+ years
500 ml / 485 gr

Topcoat Transparent H3
for glossy surfaces
SI541LUVA (1K) 8+ years
1 L / 920 gr

Topcoat Transparent H3
for matte surfaces
SI641LUVA (1K) 8+ years
1 L / 970 gr

Topcoat Transparent H3
for glossy surfaces
SI541LUVA (1K) 8+ years
500 ml / 460 gr

Topcoat Transparent H3
for matte surfaces
SI641LUVA (1K) 8+ years
500 ml / 485 gr

Anti-Slip Transparent H9
for semi-glossy surfaces
SI741LUVA (1K) 8+ years
1 L / 970 gr

Topcoat Eggshell H6
for flat white surfaces
SI841LUVA (1K) 8+ years
1 L / 1170 gr

Anti-Slip Transparent H9
for semi-glossy surfaces
SI741LUVA (1K) 8+ years
500 ml / 485 g

Topcoat Eggshell H6
for flat white surfaces
SI841LUVA (1K) 8+ years
500 ml / 585 g

Primers Prepare and Modify Surfaces.

SIX11250 - White or Grey **1.25 L / 1.2 kg**
SIX15000 - White or Grey **5 L / 4.8 kg**
Other RAL Colors 250 pcs 5 L / 4.8 kg

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 **1.25 L / 1.2 kg**
SIX21250 - Grey **1.25 L / 1.2 kg**

2K Acrylic Alkyd Surfacer
High quality 2K Surfacer 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 **1.5 L / 1.4 kg**

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 **1 L / 1.2 kg**
SIX44000 - White or Grey **4 L / 4.8 kg**
Other RAL Colors 250 pcs 4 L / 4.8 kg

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 **1 kg**
SIX51000 - Grey **1 kg**

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.
- Quick 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

WHITE UVAWH0100

Masstone to Transparent Tint

SI080 **100 ml**

BLACK UVABK0100

Masstone to Transparent Tint

S9938 **100 ml**

YELLOW UVAYE0100

Masstone to Transparent Tint

S2184 **100 ml**

RED UVARD0100

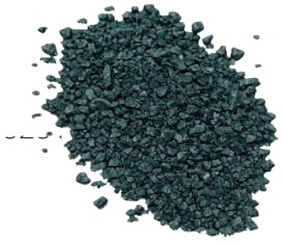
Masstone to Transparent Tint

S4254CN **100 ml**

BLUE UVABL0100

Masstone to Transparent Tint

S5007 **100 ml**



GREEN UVAGR0100

Masstone to Transparent Tint

S7154N **100 ml**

SIO4 1-Component (1K)

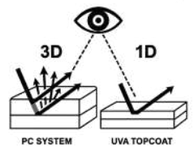
H9 UVA Topcoat Transparent
for glossy surfaces

Article Nr : SIO41LUVA 1 L / 920 g SIO405UVA 500 ml / 460 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H9 / Flexibility ISO 1520 >>21mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

MaxHard LowFlex

How does it look visually?



SIO4 is a high-performance single-component coating and paint system with extremely high hardness, designed for hard, non-flexible surfaces. The coating forms a dense and highly durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

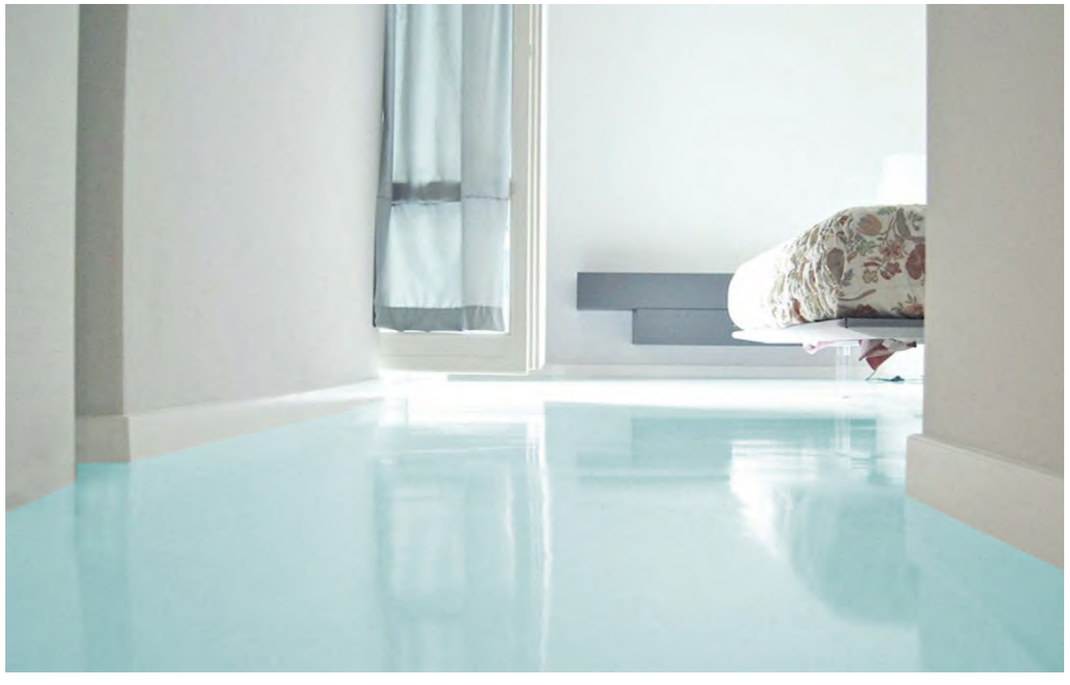
Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal shock-resistant

Chemical Resistant – Anti-Staining



SI24 1-Component (1K)

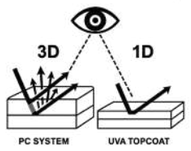
H9 UVA Topcoat Transparent
for matte surfaces

Article Nr : SI241LUVA 1 L / 970 g SI2405UVA 500 ml / 485 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H9 / Flexibility ISO 1520 >>21mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

MaxHard LowFlex

How does it look visually?



SI24 is a high-performance single-component coating and paint system with extremely high hardness, designed for hard, non-flexible surfaces. The coating forms a dense and highly durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

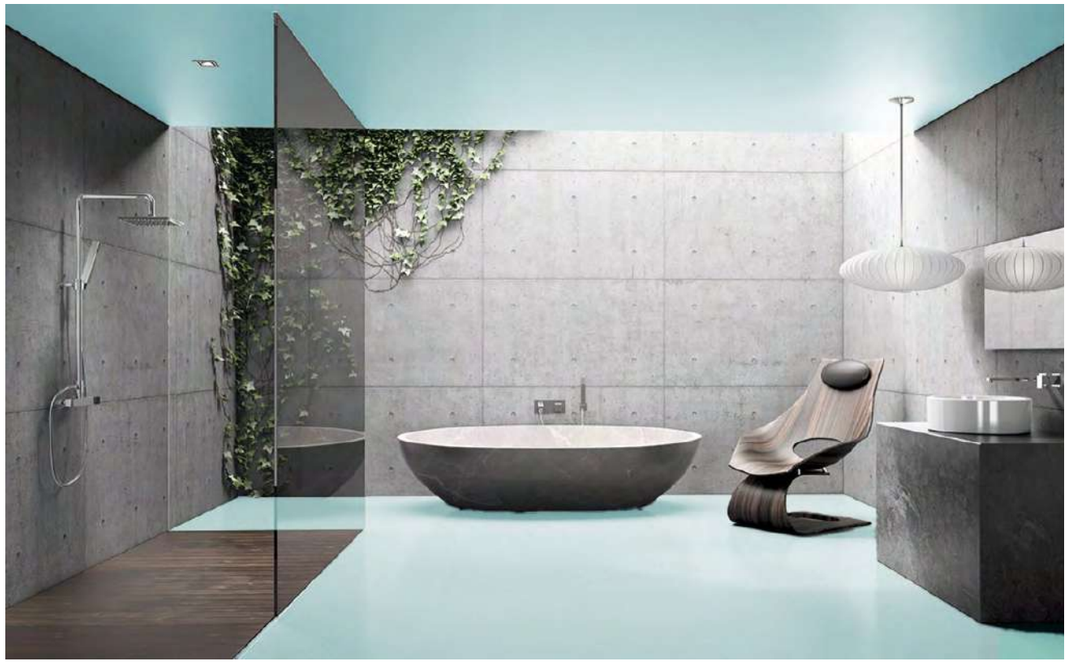
Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal shock-resistant

Anti Scratch - UV Resistant



SI34 1-Component (1K)

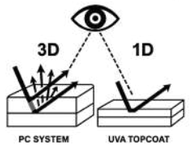
H6 UVA Topcoat Transparent
for glossy surfaces

How to use: Page 39

Article Nr : SI341LUVA 1 L / 920 g SI3405UVA 500 ml / 460 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H7 / Flexibility ISO 1520 >>24mm
Used for : The system can be applied directly or indirectly on all kinds 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.

MedHard MedFlex

How does it look visually?



SI34 is a high-performance single-component coating and paint system with a balanced combination of hardness and flexibility, designed for a wide range of surfaces. The coating forms a dense and durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

- **Near-permanent**
- **Anti-corrosion**
- **Permanently hydrophobic**
- **Anti-pollution**
- **Anti-algae**
- **UV protection**
- **Self-cleaning Stays cleaner longer**
- **Impact resistance 1 kg / 80 cm**
- **Thermal shock-resistant**

Chemical Resistent - Anti-Corrosion

SI44 1-Component (1K)

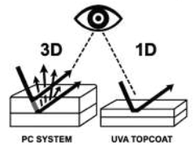
H6 UVA Topcoat Transparent
for matte surfaces

Article Nr : SI441LUVA 1 L / 970 g - SI4405UVA 500 ml / 485 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H7/ Flexibility ISO 1520 >>24mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

MedHard MedFlex

How does it look visually?



SI44 is a high-performance single-component coating and paint system with a balanced combination of hardness and flexibility, designed for a wide range of surfaces. The coating forms a dense and durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal shock-resistant

Chemical Resistent - Anti-Stain

SI54 1-Component (1K)

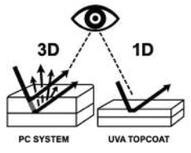
H3 UVA Topcoat Transparent
for glossy surfaces

Article Nr : SI541LUVA 1 L / 920 g SI5405UVA 500 ml / 460 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H5 / Flexibility ISO 1520 >>26mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

LowHard MaxFlex

How does it look visually?



SI54 is a high-performance single-component coating and paint system with maximum flexibility and lower hardness, designed for surfaces that require high elasticity and resistance to movement. The coating forms a dense and durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

- **Near-permanent**
- **Anti-corrosion**
- **Permanently hydrophobic**
- **Anti-pollution**
- **Anti-algae**
- **UV protection**
- **Self-cleaning Stays cleaner longer**
- **Impact resistance 1 kg / 80 cm**
- **Thermal shock-Resistant**

Reflects Sunlight - UV Resisant

SI64 1-Component (1K)

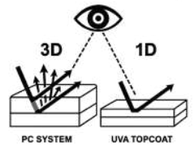
H3 UVA Topcoat Transparent
for matte surfaces

Article Nr : SI641LUVA 1 L / 970 g - SI6405UVA 500 ml / 485 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H5 / Flexibility ISO 1520 >>26mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

LowHard MaxFlex

How does it look visually?



SI64 is a high-performance single-component coating and paint system with maximum flexibility and lower hardness, designed for surfaces that require high elasticity and resistance to movement. The coating forms a dense and durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal shock-resistant

Salt Resistant - PFAS free

SI74 1-Component (1K)

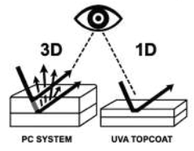
H9 UVA Topcoat Transparent
for semi-glossy surfaces

Article Nr : SI741LUVA 1 L / 970 g SI7405UVA 500 ml / 485 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H9 / Flexibility ISO 1520 >>21mm
Used for : The system can be applied directly or indirectly on all kinds 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.

How to use: Page 39

MaxHard LowFlex

How does it look visually?



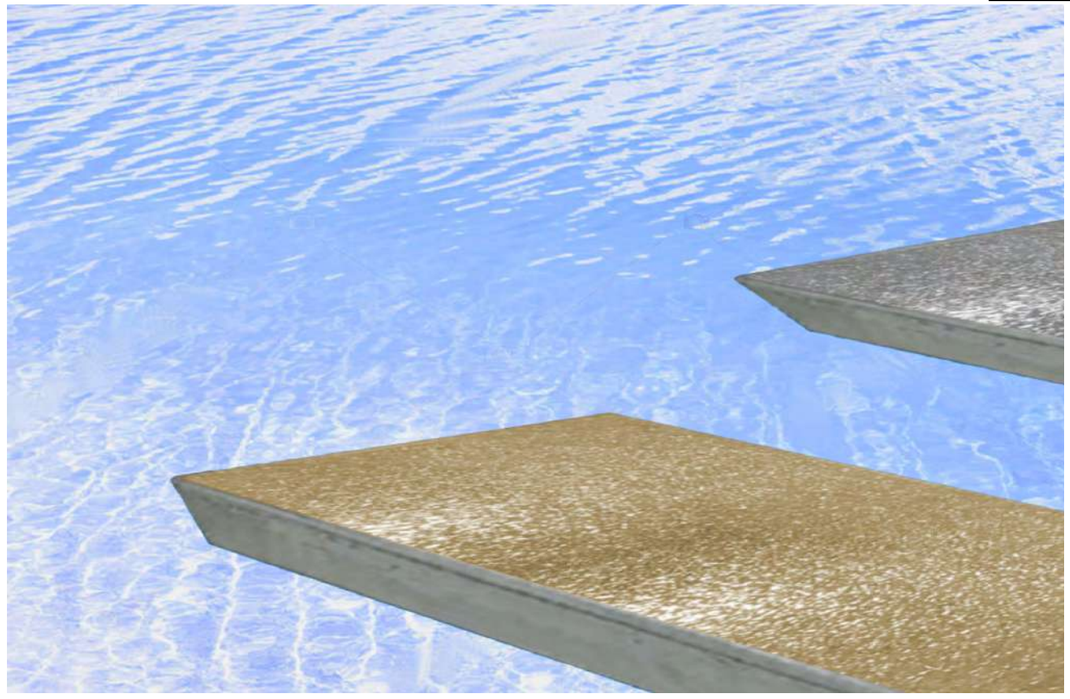
SI74 is a high-performance single-component coating and paint system loaded with microsized particles, offering extremely high hardness and designed for hard, non-flexible, textured or anti-slip surfaces. The coating forms a dense and highly durable molecular bonding matrix (ceramic transformation), providing permanent surface protection.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal hock resistant



9H Hardness - Anti-Slip

SI84 1-Component (1K)

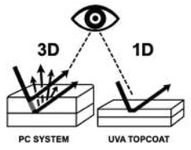
H6 UVA Topcoat Transparent
for eggshell flat white surfaces

How to use: Page 39

Article Nr : SI841LUVA 1 L / 1170 g SI8405UVA 500 ml / 585 g
Consumption : 3 layers +/- 34.6 g/m² - 37.5 ml/m² 18 micron = 20 m²
Reachable area : 2 layers +/- 23.0 g/m² - 25.0 ml/m² 12 micron = 40 m²
: 1 layer +/- 11.5 g/m² - 12.5 ml/m² 6 micron = 80 m²
Hardness/Cupping : H5/ Flexibility ISO 1520 >>21mm
Used for : The system can be applied directly or indirectly on all kinds 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.

MedHard MedFlex

How does it look visually?



SI84 adalah sistem coating dan cat 1-komponen berkinerja tinggi yang dirancang untuk permukaan putih dengan finishing eggshell, menghasilkan tampilan halus dengan kilap rendah serta daya tahan yang sangat baik. Lapisan ini membentuk matriks ikatan molekul yang padat dan tahan lama (transformasi keramik), memberikan perlindungan permanen pada permukaan.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating is permanently 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
- Superb adhesion even on glass or stainless steel.
- Can be applied in multiple layers.
- Transparent, Opaque, solid-color or vibrant, transparent color finishes.

Expected service life: 8–24 years (depending on layer thickness).

Near-permanent
Anti-corrosion
Permanently hydrophobic
Anti-pollution
Anti-algae
UV protection
Self-cleaning Stays cleaner longer
Impact resistance 1 kg / 80 cm
Thermal shock-resistant

Zero Absorption - Anti-Scratch

SIX1

2-Component (2K)

Primer Epoxy Polyamide
heavy duty - anti-corrosion

Article Nr. : SIX11250-WH/GR 1.25 L / 1.45 kg SIX15000-WH/GR 5 L / 5.8 kg
Consumption : 2 layers +/- 240 g/m² - 250 ml/m² 80 micron = 5 m²
Reachable area : 1 layer +/- 120 g/m² - 125 ml/m² 40 micron = 10 m²
Hardness : H5
Colors : White, Grey or RAL (RAL Minimum Order 250 pcs 5 L)
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, aluminumin 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 30°C, 1 hours 60°C.

SIX2

2-Component (2K)

Primer Surfacer Acrylic Alkyd
smooth - surface modifier

Article Nr. : SIX21250-WH/GR 1.25 L / 1.45 kg SIX25000-WH/GR 5 L / 5.8 kg
Consumption : 2 layers +/- 200 g/m² - 210 ml/m² 60 micron = 6 m²
Reachable area : 1 layer +/- 100 g/m² - 105 ml/m² 30 micron = 12 m²
Hardness : H3
Colors : White, Grey
Used on : Steel, aluminium, wood, fiberglass, and old paint systems.
Application area : Buildings, hotels, private housing, etc.

Fast Repaintable

Excellent adhesion

SIX2 is a 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 30°C, 1 hours 60°C.

Heavy Duty Primer - Smooth Surfacer

SIX3 2-Component (2K)

Primer PU Wood Filler
surface modifier - absorbtion reducer

Article Nr.	: SIX31500 1.5 L / 1.4 kg
Consumption	: 2 layers +/- 175 g/m² - 185 ml/m² 60 micron = 8 m²
Reachable area	: 1 layer +/- 115 g/m² - 95 ml/m² 30 micron = 12 m²
Hardness	: H4
Colors	: Transparent
Used on	: Wood, Natural Stone, and other organic surfaces
Application area	: Buildings, marine, hotels, private housing, etc.

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

Article Nr	: SIX41000-WH/GR 1 L / 1.2 kg SIX44000-WH/GR 4 L / 4.8 kg
Consumption	: 2 layers +/- 240 g/m² - 200 ml/m² 60 micron = 5 m²
Reachable area	: 1 layer +/- 120 g/m² - 100 ml/m² 30 micron = 10 m²
Hardness	: H3
Colors	: White, Grey or RAL (RAL Minimum Order 250 pcs 4 L)
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 1 kg
Colors : White, Grey
Used on : Metal, wood, fiberglass, concrete, plastics
Application area : Buildings, marine, airports, offshore structures, bridges private housing, etc.

Fast Repaintable

Excellent adhesion

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

SOLV Thinner solvent

for all types of our ceramic paint & coating

Article Nr : SOLV0400 400 ml / 345 g SOLV2000 2 L / 1.760 g SOLV5000 5 L / 4.400 gr

All our paints and coatings are ready to use, for certain spray applications, especially dark colors that require higher-than-average pigment loading, it may be necessary to use a little thinner solvent to achieve optimum flowability.

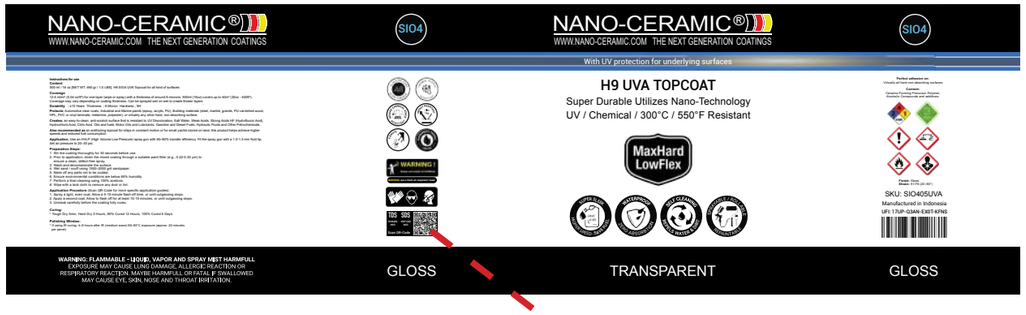
RETA/ACCL Retarder Accelerator

slow down flash time or speed up curing

Article Nr : RETA0400 400 ml / 345 g ACCL0200 200 ml / 180 g

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. This 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.



(Test) Results.

Video Application.

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: 5-30°C
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:
The coating range is specifically developed for non-porous, pre-coated, and sealed substrates.The coatings support both wipe application and spray application, depending on the substrate and project requirements.
• Wipe application (limited to specific substrates, mainly countertops and tabletops):
Marble, Granite, Varnished Wood, HPL, PVC/Vinyl, Laminate, and Melamine
• Spray application (recommended for all compatible substrates):
Glass, metals, coated surfaces, plastics, composites, and large surface areas

Refer to the substrate material decision matrix on page 43.

SURFACE PREPARATION (FOR ALL APPLICATION METHODS)

1. Cleaning
Thoroughly clean the surface using a suitable detergent.
Rinse with clean water and allow the surface to dry completely.

2. Surface Activation (Scuffing)
For optimal adhesion, lightly prepare the surface.

Preferred method:
Grey Scotch-Brite (P1000–P1500 equivalent)

Alternative:
Sandpaper P1000–P1200

Important:
• Do not use P800 or lower • Do not use P2000 (too smooth)
Surface must be uniformly matte, without visible deep scratches.

Marble-Specific Guidance
For polished marble, light scuffing is recommended to ensure adhesion.
Only remove surface gloss—do not damage the stone.
For honed or matte marble, scuffing may not be required.

3. Final Cleaning
Wipe using IPA or acetone with a lint-free cloth.
Remove remaining dust using a tack cloth.

A. WIPE APPLICATION (LIMITED SUBSTRATES ONLY)

Applicable surfaces (mainly countertops and tabletops):
Marble, Granite, Varnished Wood, HPL, PVC/Vinyl, Laminate, Melamine

Application Steps
Apply a thin, even layer using a cotton pad
Ensure full and uniform coverage; the coating will self-level
Allow to cure

Important
• Apply only 1 layer
• Do not apply thick layers; apply only enough material to allow a single thin layer to self-level
• Avoid overworking the surface

B. SPRAY APPLICATION (PROFESSIONAL USE – ALL COMPATIBLE SUBSTRATES)

Equipment
• HVLP spray gun (60–80% transfer efficiency) • Nozzle: 1.0 – 1.3 mm (0.04–0.05″) • Air pressure: 20–30 psi

Preparation
Stir coating for 30 seconds
Filter through a 190–250 µm paint filter for optimal optical clarity (recommended)
Ensure humidity < 65%

Additives & Adjustments (Spray Application Only)
• SOLV Solvent: 0–3% recommended (max 5%) – for viscosity adjustment
• RETA Retarder: 0–1% recommended (max 2%) – for hot conditions / better flow
• ACCL Accelerator: 0–1% recommended (max 2%) – for cold conditions / faster cure
• Colorants (UVA):
  – Transparent: 0.5–2% (max 3%)
  – Full color: 5–10% (max 10%)

Do not exceed limits; avoid combining high retarder and accelerator; always test before use.

Application Procedure
Apply a light, even first coat
→ Flash-off: ~5 minutes (until outgassing stops)
Apply a second thin coat
→ Flash-off: ≥15 minutes
Remove masking before full cure
→Third layer only if layers are applied very thin

CURING PROFILE (APPLIES TO BOTH METHODS)

Ambient Curing:
Dust/Tack Free: ~5 minutes • Hard Dry: ~2 hours • 85% Cured: ~12 hours • Full Cure: ~5 days at a temperature of 60–80°C • Keep surface dry for the first 24 hours.

Heat Curing:
Duration: 30–60 minutes depending on part mass and material.
Use infrared (IR) lamps or heat guns • Maintain surface temperature at 60–80°C
Hold temperature for approximately 20 minutes per panel

Why Heat Curing Strengthens the Coating Matrix:
Heat curing accelerates the cross-linking reaction in the coating's internal network. This forms a denser, more uniform ceramic-like molecular matrix, resulting in:
Improved chemical and UV resistance. Higher hardness (up to H9). Long-term durability.

In short: Heat transforms the coating from a soft film into a tough, tightly bonded ceramic barrier — especially critical on steel to withstand mechanical and thermal stress.

APPLICATION PRINCIPLES

• Thin layers ensure optimal performance
• Excessive thickness may cause defects or cracking
• Always apply in shaded conditions (no direct sunlight)

QUICK APPLICATION SUMMARY

Wipe (1 layer only – countertops & tabletops):
Clean → Dry → Scuff → IPA → Thin Coat → Cure

Spray (2 layers):
Clean → Scuff → IPA → Spray Coat → Flash → Spray Coat → Cure

KEY TECHNICAL MESSAGE

A smooth, slightly matte surface combined with thin, controlled layers ensures maximum adhesion, durability, and long-term performance. Remove remaining dust using a tack cloth.

A. WIPE APPLICATION (LIMITED SUBSTRATES ONLY)

Applicable surfaces (mainly countertops and tabletops):
Marble, Granite, Varnished Wood, HPL, PVC/Vinyl, Laminate, Melamine

Application Steps
Apply a thin, even layer using a cotton pad
Ensure full and uniform coverage; the coating will self-level
Allow to cure

Important
• Apply only 1 layer
• Do not apply a very thick layer, but apply enough material to allow the coating to self-level.

Technical Guidance & Application Details
For more detailed and application-specific recommendations, please refer to the Technical Data Sheet (TDS). In case of any uncertainty, please contact our technical support team for further assistance.

UVA Coating Selection Guide (Decision Matrix)

Step 1 — Identify substrate behavior (this matters more than the Substrate Material name)

Substrate Behavior	Examples	Recommended Coating
Rigid / No movement	Glass, ceramics, polished stone	SIO4 (MaxHard LowFlex)
Semi-rigid / slight movement	Metals, epoxy, PU 2K, car clearcoat, gelcoat	SI34 (MedHard MedFlex)
Flexible / high movement	Plastics (PMMA, PC, ABS), elastomeric paint, soft PU	SI54 (LowHard MaxFlex)

Designed for Non-Porous & Pre-Coated Surfaces

Substrate Material	SIO4 MaxHard LowFlex SI24 MaxHard LowFlex SI74 MaxHard LowFlex	SI34 MedHard MedFlex SI44 MedHard MedFlex SI84 MedHard MedFlex	SI54 LowHard MaxFlex SI64 LowHard MaxFlex
Glass	☑		
Ceramics / Ceramic Tiles	☑		
Marble / Polished Stone	☑		
Stainless Steel		☑	
Steel (clean smooth)		☑	
Zinc / Galvanised Steel		☑	
Anodized Aluminum		☑	
Epoxy (2K Coating / Floor)		☑	
Polyurethane PU (2K hard)		☑	
Polyurethane PU (1K soft)			☑
Car Clear Coat		☑	
Polyester (Gelcoat / FRP)		☑	
Acrylic Primer / Topcoat		☑	
Acrylic Latex Paint		☑	
Acrylic / PMMA (Plexiglass)			☑
Elastomeric Paint			☑
Varnished Wood	☑		
HPL (High Pressure Laminate)	☑		
Melamine Surfaces	☑		
Composite Panels	☑		
Polycarbonate (PC) or ABS Plastic			☑
Tarpaulin PVC			☑

NANO-CERAMIC®

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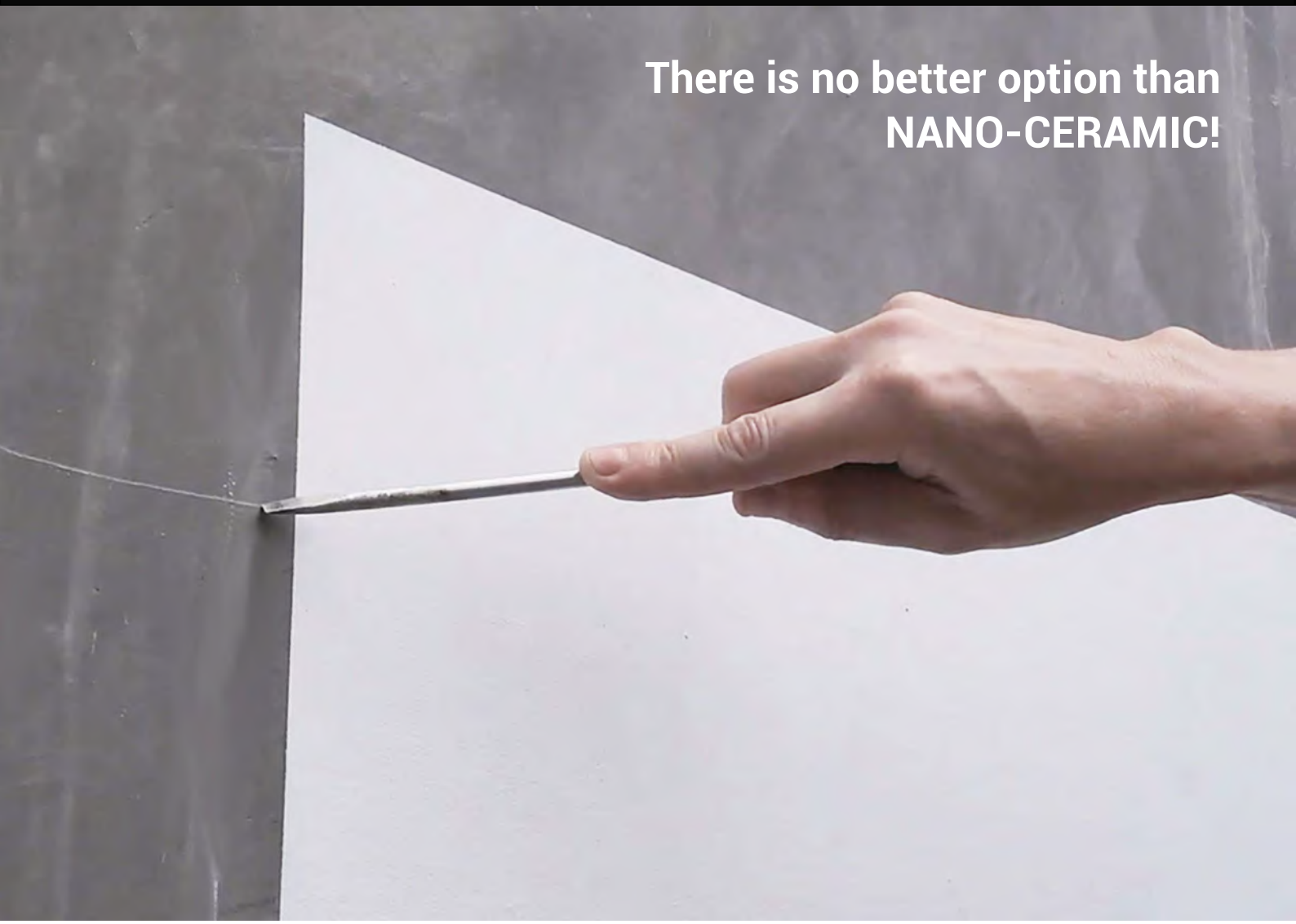

There is no better option than NANO-CERAMIC!

The Leader in Durability

Did you know?

Our coatings are made from pure silica sand, which is the most common element on earth!

Dealer