# 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, 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.

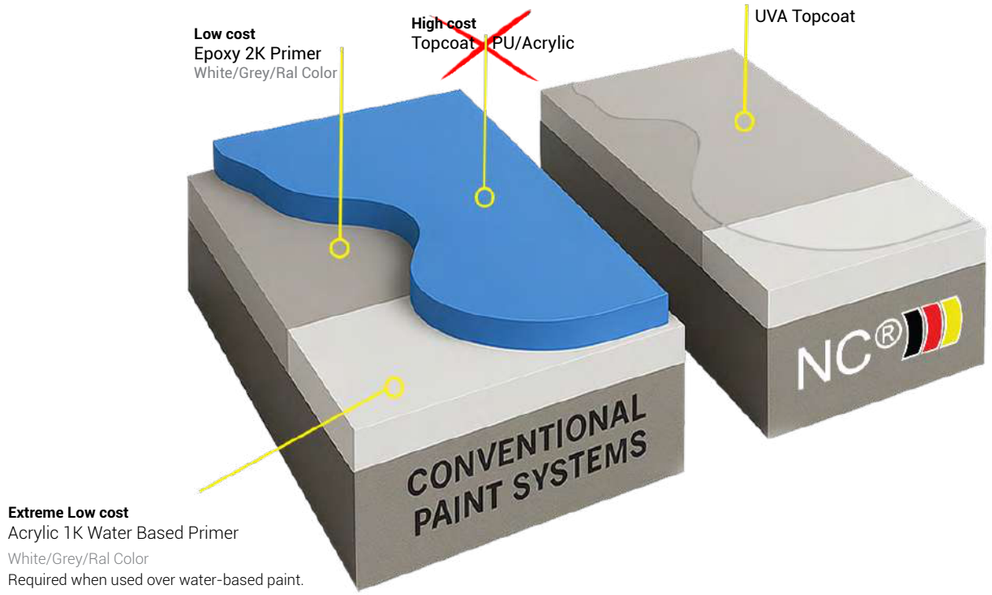
## Superior Performance at the Lowest Cost.

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.

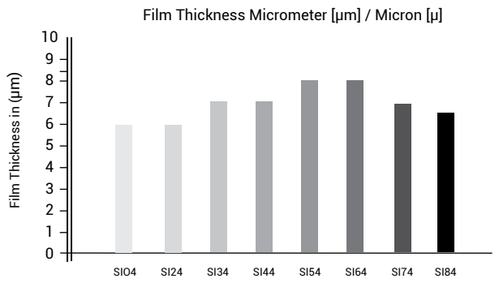
Whether for industrial, marine, infrastructure, or decorative use, UVA Topcoat simplifies your process and multiplies your value—proving that true performance doesn't have to come at a high price.

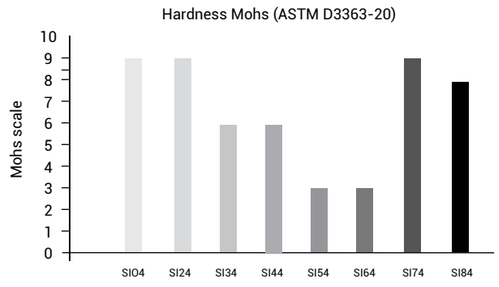
# How it Works




# 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) |



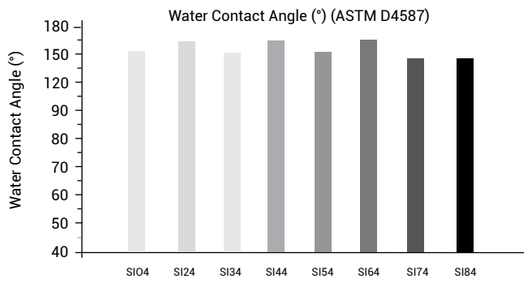





# Quality Comparison of paints technologies

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 | **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°C |
| Thermal Shock Resistance | Good | Good | **Poor** | Good | Excellent |
| Carbon Dioxide Permeability | **Poor** | **Poor** | Good | **Poor** | Excellent |
| Permeability water vapour | **Average** | **Average** | Good | **Average** | Excellent |
| Water Absorption Rate | **5-15%** | **1%** | **2%** | **3%** | 0% |
| Aging at 70°C | **Poor** | **Poor** | Good | **Average** | Excellent |
| Adhesion Strenght Pull-off | **Poor** | **Average** | Good | **Poor** | Excellent |
| Impact Resistance | **Poor** | **Average** | Good | **Poor** | Excellent |
| Anti-Graffiti | **No** | **No** | **No** | **No** | Yes |
| Anti-Termite (Wood) | **No** | **No** | **No** | **No** | Yes |
| Hydrophobic Self Cleaning | **No** | **No** | **No** | **No** | Yes |
| Easy to Clean | **No** | **No** | **No** | **No** | Yes |
| Total Solar Reflectance (TSR) | **60** (white) | **60** (white) | 60 (white) | **60** (white) | 88 (white) |
| Expected Lifetime in Years | **<7** | **<7** | <5-15 | <5-15 | 8/16/24 |



## 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 so lid-color coatings, this formulation maintains clarity while adding durable color.

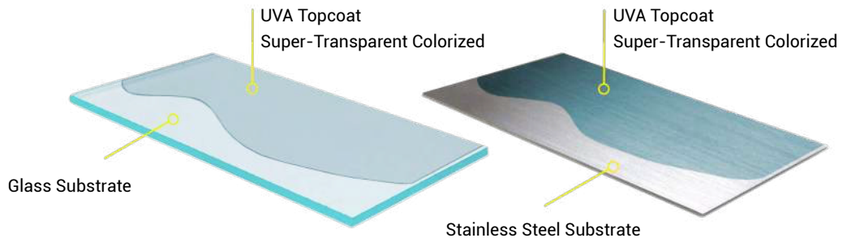
This advanced coating system is ideal for architectural glass, wall partitions, furniture components, signage, and display surfaces—transforming everyday glass into design-driven, functional elements. The system supports a wide range of RAL-based shades, allowing for delicate, precise tinting of the 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%

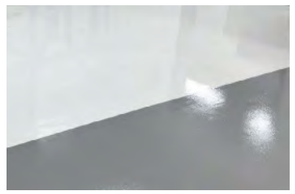
Why HVLP?

- 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”


FLOORS


WOOD


INTERIORS


BUILDINGS


NATURAL STONE


BATHROOMS


WATERPROOFING


CONCRETE


HALL WAYS


ROOFING


NON-SLIP FLOORS


RENEW TILES


FIBERGLASS MEMBRANES


POOLS


INFRASTRUCTURE


PVC SHEETS


STADION CHAIRS


ROOF TILES

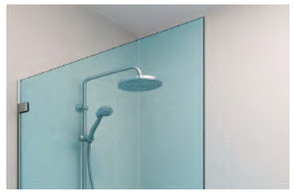




# Direct to Substrate “Examples”

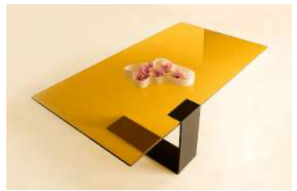

MARBLE COUNTERTOPS


GLASS STAIRS


SHOWER GLASS


HPL-LPL TABLE TOPS


BACKSPLASH


FURNITURE


VARNISHED TABLE TOPS


KITCHENS


ELIVATORS


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 gr**

**Topcoat Eggshell H6**
for flat white surfaces
SI841LUVA (1K) 8 Years+
**500 ml / 585 gr**





# 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**

**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

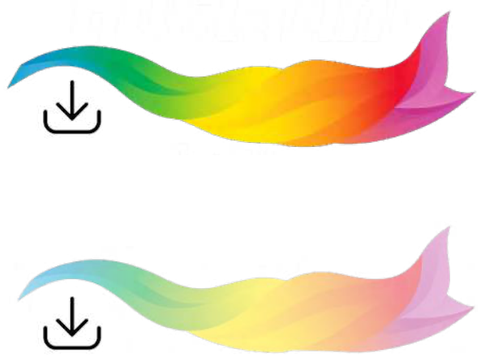

SIX41000 - White or Grey **1 L / 1.2 kg**
SIX44000 - White or Grey **4 L / 4.8 kg**
**Other RAL Colors 250 pcs 4 L**

**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**

**2K Polyester Putty Flexibel**
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 finsh

# Download UVA Topcoat RAL shades Formulations or Create Transparent or Metallic Effect Shades.



# Colorants to make Super Transparent or Metallic Effect Shades.

**YELLOW A-N4G 100-ST**
Masstone
Tint
279376 **100 ml**

**RED A-P2Y 100-ST**
Masstone
Tint
289404 **100 ml**

**PINK A-EB 100-ST**
Masstone
Tint
287516 **100 ml**

**BLUE A-BTR 100-ST-**
Masstone
Tint
290247 **100 ml**

**BLUE A-BTG 100-ST**
Masstone
Tint
275536 **100 ml**

**GREEN A-GBX 100-ST**
Masstone
Tint
323291 **100 ml**

**BLACK A-NB 100-ST**
Masstone
Tint
289518 **100 ml**

**BLACK A-NY 100-ST**
Masstone
Tint
272060 **100 ml**

**TR.OXIDE YELLOW A-2R 130**
Masstone
Tint
77492-1 **100ml**

**TRANSOXIDE RED A-G 130**
Masstone
Tint
77491-1 **100 ml**

**YELLOW A-F2G 100**
Masstone
Tint
11785 **100 ml**

**YELLOW A-H3G 100**
Masstone
Tint
11781 **100 ml**

**YELLOW A-HRD 100**
Masstone
Tint
21108 **100 ml**

**ORANGE A-HLD 100**
Masstone
Tint
11780 **100 ml**

**RED A-D3GD 130**
Masstone
Tint
56110 **100 ml**

**PINK A-E 130**
Masstone
Tint
73915 **100 ml**

**RED VIOLET A-ER 130**
Masstone
Tint
73900 **100 ml**

**VIOLET A-RL 100**
Masstone
Tint
51319 **100 ml**

**BLUE A-BG 100**
Masstone
Tint
74160 **100 ml**

**GREEN A-GNX 130**
Masstone
Tint
74260 **100 ml**

**BLACK A-N 100**
Masstone
Tint
77266 **100 ml**

**OXIDE YELLOW A-BV 100**
Masstone
Tint
771740 **100 ml**

**OXIDE YELLOW A-CR 100**
Masstone
Tint
77310 **100 ml**

**OXIDE YELLOW A-R 100**
Masstone
Tint
77492 **100 ml**

**OXIDE RED A-B 100**
Masstone
Tint
77491 **100 ml**

**WHITE A-R 100**
Masstone
Tint
77891 **100 ml**

# SIO4 1-Component (1K)

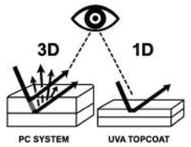
## H9 UVA Topcoat Transparent
for glossy surfaces


**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 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.

**How to use:** Page 39

MaxHard LowFlex

**How does it look visually?**




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 300°C
- 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)

**Near-permanent**
**Anti-corrosion**
**Permanent 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 kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview
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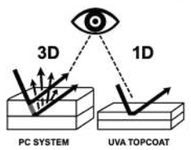
**How to use:** Page 39

MaxHard LowFlex

**How does it look visually?**




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 300°C
- 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)

**Near-permanent**
**Anti-corrosion**
**Permanent 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)

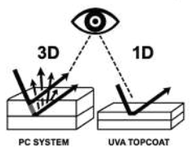
## H6 UVA Topcoat Transparent
for glossy surfaces


**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** : H6 / Flexibility ISO 1520 >24mm
**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.

**How to use:** Page 39

MedHard MedFlex

**How does it look visually?**




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 300°C
- 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)

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





## Anti-Crack - Always Clean

# 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** : H6 / Flexibility ISO 1520 >24mm

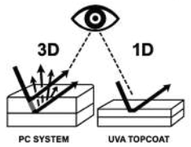
**Used for** : The system can be applied directly or indirectly on all kind of non porous surfaces, we refer to page 4 of this brochure for a detailed overview

**Application area** : Buildings, airports, offshore structures, bridges, tunnels, hotels, private housing, interior design etc.

**How to use:** Page 39

MedHard MedFlex

**How does it look visually?**




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 300°C
- 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)

**Near-permanent**

**Anti-corrosion**

**Permanent 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)

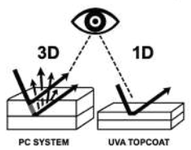
## H3 UVA Topcoat Transparent
for glossy surfaces


**Article Nr** : SI541LUVA 1 L / 920 g SI5405UVA 500 ml / 460 gr
**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** : H3 / Flexibility ISO 1520 >26mm
**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.

**How to use:** Page 39

LowHard MaxFlex

**How does it look visually?**




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 300°C
- 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)

**Near-permanent**
**Anti-corrosion**
**Permanent 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)

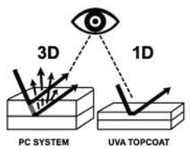
## H3 UVA Topcoat Transparent
for matte surfaces


**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** : H3 / Flexibility ISO 1520 >26mm
**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.

**How to use:** Page 39

LowHard MaxFlex

**How does it look visually?**




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 300°C
- 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)

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





## Hydrophobic - Salt Resistant

# SI74 1-Component (1K)

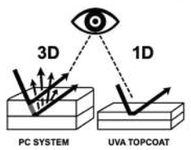
## H9 UVA Topcoat Transparent
for semi-glossy surfaces


**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 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.

**How to use:** Page 39

MaxHard LowFlex

**How does it look visually?**




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.

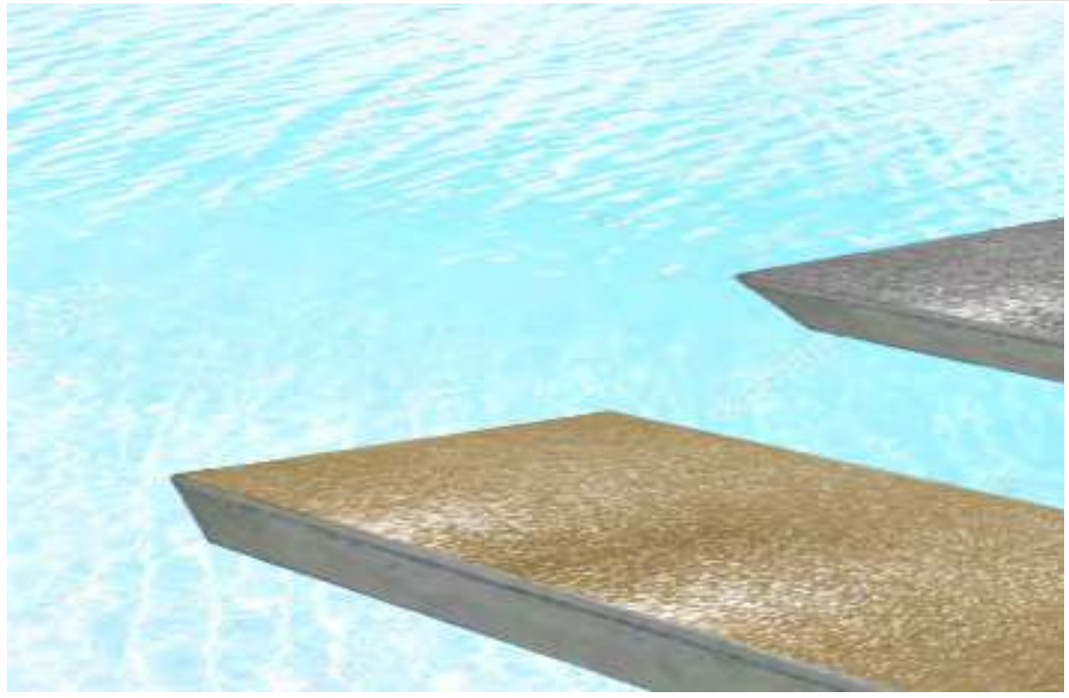
- Easily repels water, dirt, dust, and pollutants.
- This coating is permanent hydrophobic
- Restores damaged finishes and reduces cleaning intervals.
- Resistant to all kinds of chemicals and UV radiation.
- Superior anti-pollution and anti-corrosion properties.
- This coating can withstand temperatures of 300°C
- 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)

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







## 9H Hardness - Anti-Slip

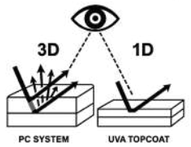
# SI84 1-Component (1K)

## H6 UVA Topcoat Transparent
for eggshell flat white surfaces


**How to use:** Page 39

MedHard MedFlex

**How does it look visually?**




| | |
|---|---|
| **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** | : H6 / Flexibility ISO 1520 >21mm |
| **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. |

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 300°C
- 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)

**Near-permanent**

**Anti-corrosion**

**Permanent 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°.

# 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 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°.





## 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 - 185ml/m² 60 micron = 8 m²
**Reachable area** : 1 layer +/- 115 g/m² - 95ml/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 1L / 1.2kg SIX44000-WH/GR 4L / 4.8kg
**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

**Article Nr** : 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**

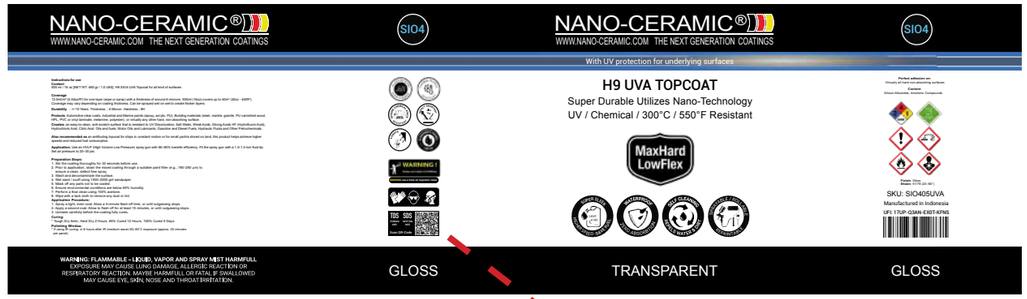
SIX5 is a High quality 2 (two) component Epoxy base putty for auto-refinish, marine and industrial coating applications.

## Substrate Kit, Test, Touch and Feel

**Substrate Kit**
16 different coating and paints


DEMOSKIT
All our products are produced according **to EU/ECHA USA/OSHA/EPA CANADA/WHIMS** regulations

## Scan QR Code for TDS and SDS




## (Test) Results

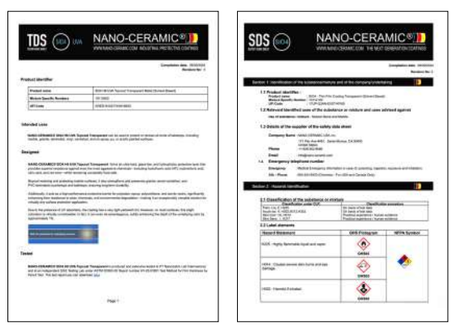
SYSTEM CERTIFICATION CERTIFICATION DE SYSTEMES ISO 9001 SGS

TEST REPORT SCAN QR CODE

## Video Application

APPLY VIDEO SCAN QR CODE

APPLY VIDEO SCAN QR CODE







# 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 g

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

# RETA/ACCL Retarder Accelerator

## slow down flash time or speed up curing

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

If your application need longer flash time (longer time to build up the layer with a second or third coat you can add the RETA Retarder.

In case you want to spead up the curing process of the UVA Topcoat you can add the ACCL Accelerator between 0.2%-0.4% with a maximum of < 0.4%.

## 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: 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:**

**Respirator**

**Paint Suit**

**Nitrile gloves**

**HVLP Paint Sprayer**
**1.0-1.3mm / 0.03-0.05" nozzle**

**Instructions for use**:

Protect or Renew; Marble, Granite, Varnished wood, HPL, PVC or Vinyl laminate and Melamine. Creates an easy-to-clean, anti-scratch surface that is resistant to UV Discoloration, HF (Hydrofluoric Acid), Hydrochloric Acid, and Citric Acid.

Wipe Application; 1. Clean the surface 2. Sterilize the surface 3. Apply via the cotton pad an even layer 4. Let it cure.

Spray Application; Use an HVLP (High Volume Low Pressure) spray gun with 60–80% transfer efficiency. Fit the spray gun with a 1.0-1.3 mm fluid tip. Set air pressure to 20–30 psi.

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

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

**Curing:**
Tough Dry 5min, Hard Dry 2 Hours, 85% Cured 12 Hours, 100% Cured 5 Days

Refer to the TDS/SDS for more information.

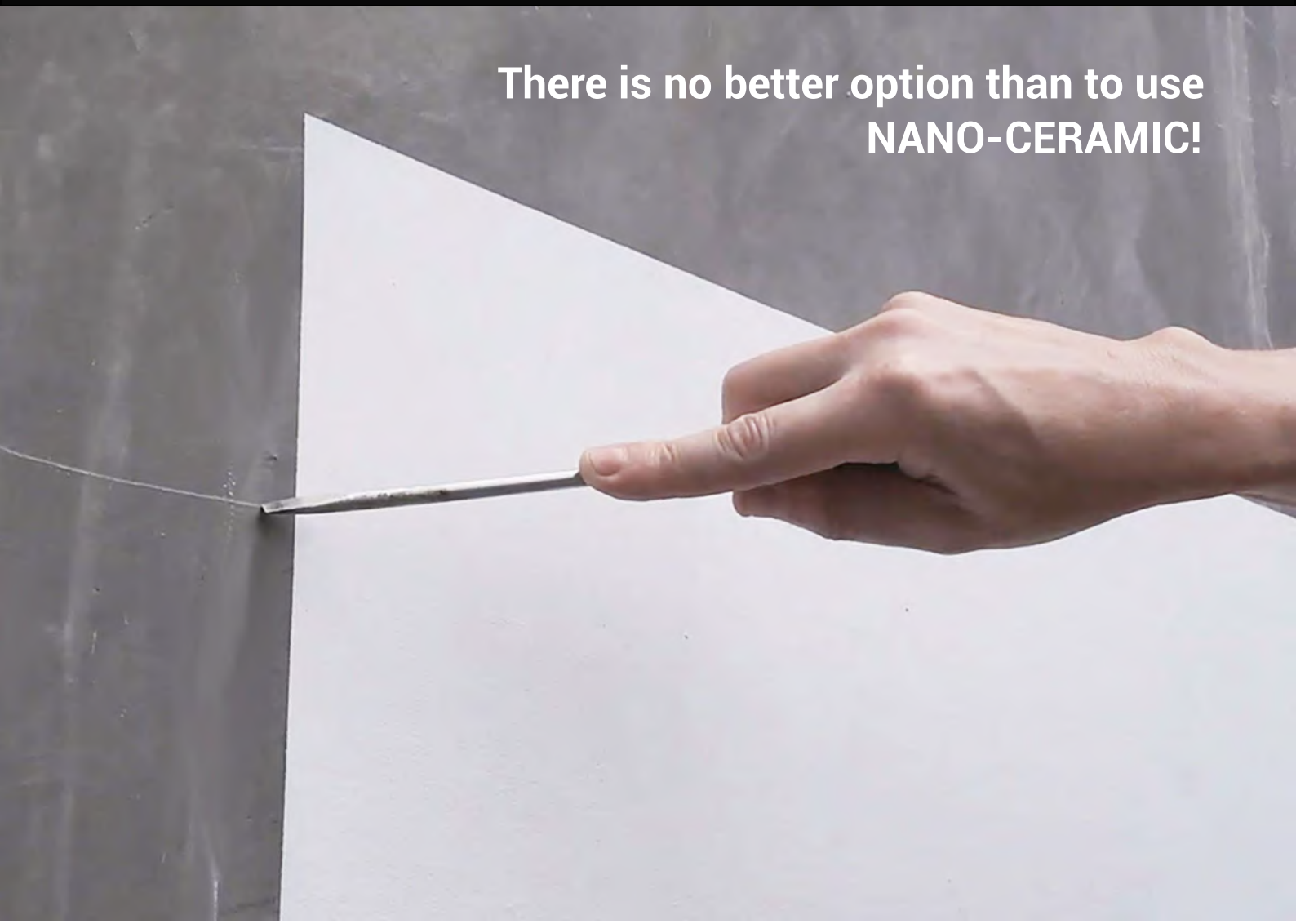
**Microfiber Roller**
**(6mm short nap)**

**Cotton Pads**

**Paint Brush**
**(acrylic)**

# 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**