

NANO-CERAMIC®



WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS



Industrial Objects Permanent Coating System

What is NANO-CERAMIC UVA Topcoat?

NANO-CERAMIC® UVA Topcoat is an innovative low-VOC, non-PFAS, sprayable protective coating designed especially for the demanding conditions of trucks and buses. This self-leveling system forms an ultra-hard, glass-like hydrophobic barrier that delivers superior protection and a sleek, high-gloss finish.

Engineered for extreme durability, UVA Topcoat resists harsh weather, intense UV radiation, road salts, and aggressive chemicals commonly encountered in road transport. It is fully safe and compliant for use on passenger and cargo vehicles—including food-contact areas—ensuring both safety and performance.

Powered by cutting-edge nanotechnology, UVA Topcoat extends the service life of critical surfaces such as polyester, epoxy, polyurethane, acrylic resins, steel, aluminum, composites, and wood. It effectively prevents corrosion, surface degradation wear—making it the ideal all-in-one solution to protect exterior and interior surfaces.

Why UVA Topcoat is a Game-Changer in Protection?

For decades, protective coatings like epoxy, polyurethane (PU), and acrylic have been the industry standard. However, they all share a critical weakness—UV degradation. Prolonged exposure to sunlight causes these coatings to yellow, crack, and deteriorate, leading to costly maintenance and premature failures.

Superior Performance at the Lowest Cost.

UVA Topcoat isn't just another coating—it's a next-generation solution designed to simplify and reduce costs maintenance. By replacing complex, multi-layer systems with a single, high-performance layer, it streamlines your coating process.

Applied directly over existing automotive paints and materials, UVA Topcoat eliminates the need for expensive refinishing or additional topcoats, saving both time and money. Its advanced chemistry and ease of application make traditional coating systems obsolete for floors, pipelines, storage tanks, bridges and many more.

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

Where can UVA Topcoat be used?

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

Exterior Structures – Facades, loading/unloading areas, storage tanks, and pipelines for long-term protection against weather and UV radiation.

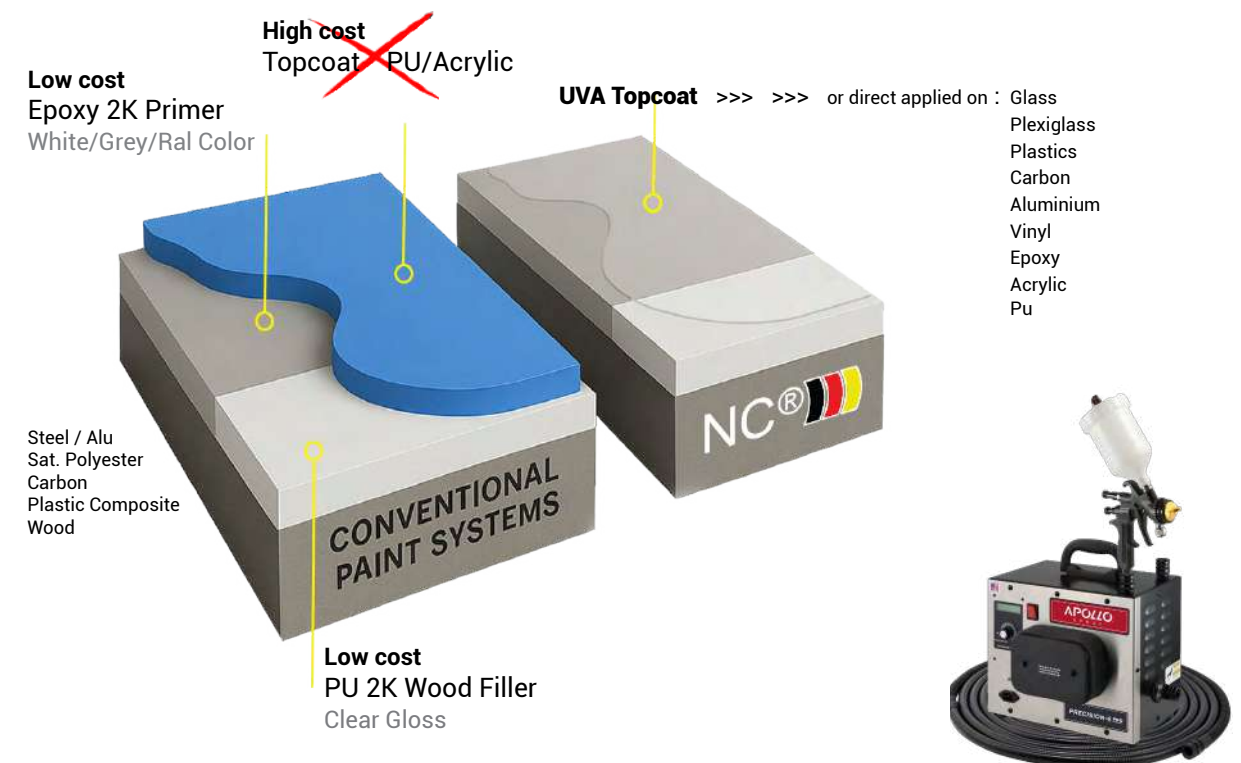
Production Areas – Floors, walls, and machine guards with resistance to chemicals, abrasion, and impacts.

Storage & Logistics Zones – Racks, shelving, conveyor systems, and container exteriors for easy cleaning and a durable finish.

Utility Equipment & Framework – Beams, supports, ducts, and panels with corrosion resistance against moisture and aggressive environments.

Compatible for both new installations and maintenance work, UVA Topcoat adapts to various materials and harsh conditions commonly found in industrial operations.

How it Works



Freedom in Protection Years

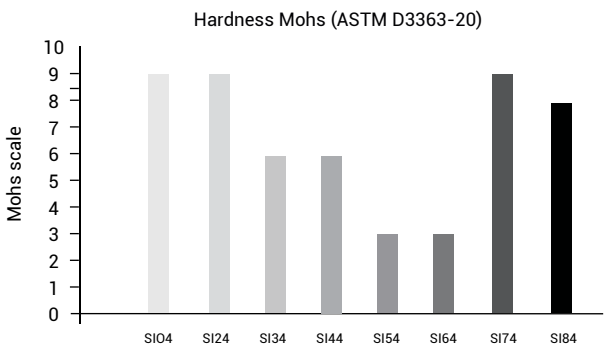
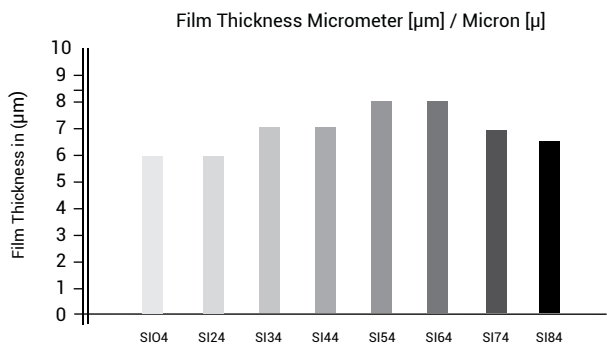
Long-Lasting Protection, Layer by Layer
A single 6 µm (micron) layer applied using HVLP spray technology can provide up to 8 years of protection. Need more durability? Just add more layers—it's that simple.
Apply wet-on-wet: once the first coat flashes off (dry to the touch but still tacky), you can immediately apply the next. This method prevents trapped gases and creates a seamless, chemical-resistant film with hydrophobic properties—making surfaces easier to clean and maintain.

Coverage & Application Efficiency

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

Color Tinting Option

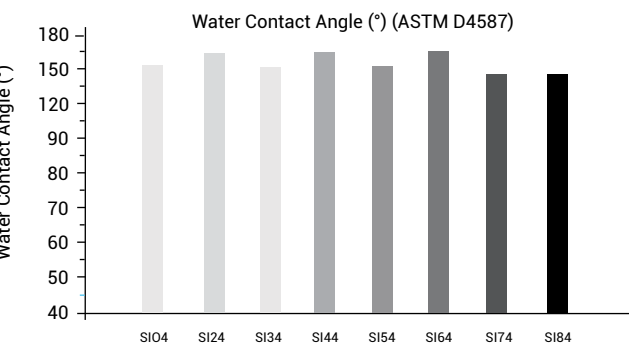
For customized aesthetics, UVA Topcoat can be tinted using our colorants on pages 22–23. These high-performance, solvent-free pigments deliver long-lasting color stability and excellent UV resistance—ideal for exterior and interiors, areas where both protection and appearance are essential. Perfect for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



Quality Comparison of paints technologies

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

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





SIO4

1-Component (2K)

Topcoat Transparent for glossy surfaces



How to use: Page 28

Article Nr	: SIO41LUVA 1 L / 920 g SIO405UVA 500 ml / 460 g
Consumption	: 3 layers +/- 34.6 g/m ² - 37.5 ml/m ² 18 micron = 20 m ²
Reachable area	: 2 layers +/- 23.0 g/m ² - 25.0 ml/m ² 12 micron = 40 m ² : 1 layer +/- 11.5 g/m ² - 12.5 ml/m ² 6 micron = 80 m ²
Hardness/Cupping	: H9 / Flexibility ISO 1520 >21mm
Used for	: Facades, floors, storage tanks, pipelines dll.
Application field	: Buildings, factories, offshore structures, bridges, dll.

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

Three simple steps: Clean, Dry, and Apply.

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

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



**Easy to apply
Repaintable**



**Cut maintenance
costs**



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
Cleaner for longer**



Anti-scratch



**Impact Resistance
30"-2lbs**



**Protects your
investment**



SI24

1-Component (1K)

Topcoat Transparent for matte surfaces



How to use: Page 28

Article Nr	: SI241LUVA 1 L / 920 g SI2405UVA 500 ml / 460 g
Consumption	: 3 layers +/- 34.6 g/m ² - 37.5 ml/m ² 18 micron = 20 m ²
Reachable area	: 2 layers +/- 23.0 g/m ² - 25.0 ml/m ² 12 micron = 40 m ² : 1 layer +/- 11.5 g/m ² - 12.5 ml/m ² 6 micron = 80 m ²
Hardness/Cupping	: H9 / Flexibility ISO 1520 >21mm
Used for	: Facades, floors, storage tanks, pipelines dll.
Application field	: Buildings, factories, offshore structures, bridges, dll.

SI04 is an incredibly strong 1-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

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

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



**Easy to apply
Repaintable**



**Cut maintenance
costs**



**Anti-water spot
Anti-corrosion**



**Permanent
hydrophobic**



**Self-cleaning
cleaner for longer**



Anti-scratch



**Impact Resistance
30"-2lbs**



**Protects your
investment**



Multi-Grade Color Protection – Super Transparent

For boats where weight, speed, and durability matter, our advanced hybrid coating system offers a breakthrough: vibrant transparent tints or metallic finishes without sacrificing performance. By blending NANO-CERAMIC® Super Transparent Colorants into our UVA Topcoat, you get:

- Ultra-thin coating (<15 microns) = minimal weight
- H9 surface hardness = max scratch resistance
- Hydrophobic & anti-fouling = fast cleaning, less drag
- UV & salt resistant = marine-grade longevity
- Chemical attack resistant
- Clear or colored: keep visibility through glass or plexi
- Optional metallic effect for custom marine finishes



TR.OXIDE YELLOW A-2R 130

Masstone 

Tint 

77492-1 100 ml



TRANSOXIDE RED A-G 130

Masstone 

Tint 

77491-1 100 ml



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

Lightweight, Ultra-Hard, Built for Speed. Opaque Ral

Este sistema de recubrimiento mejora tanto el rendimiento como la estética, haciendo que las superficies pintadas sean más duraderas, más limpias, más seguras y más refinadas.



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

What makes NANO-CERAMIC Permanent Coating System so durable?

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

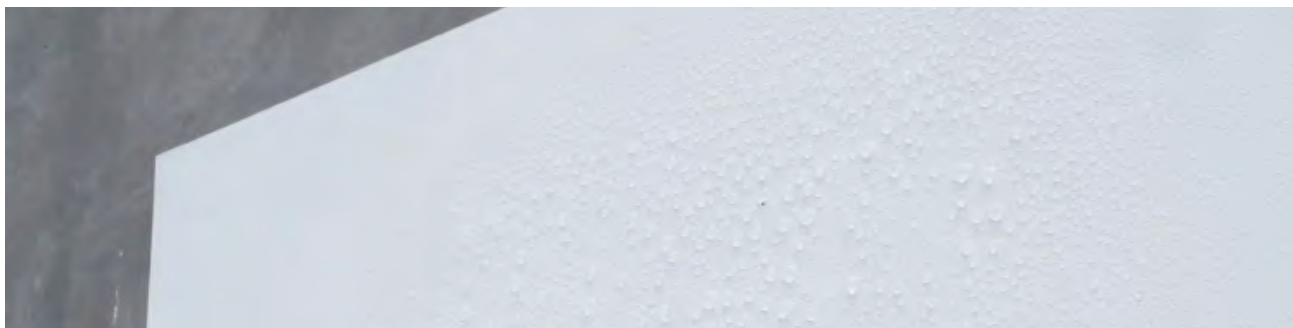
NANO-CERAMIC permanent coating system is 300°C resistant and more than 4 times stronger than traditional acrylic based paint finishes, and is effectively preventing damage that would otherwise affect the appearance and integrity of the original surface.

Zero Maintenance for decades to come!

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

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

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



Is NANO-CERAMIC Permanent Coating System self-cleaning?

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

Cities are getting hotter today by climate change.

Can NANO-CERAMIC Permanent Coating System cool down buildings??

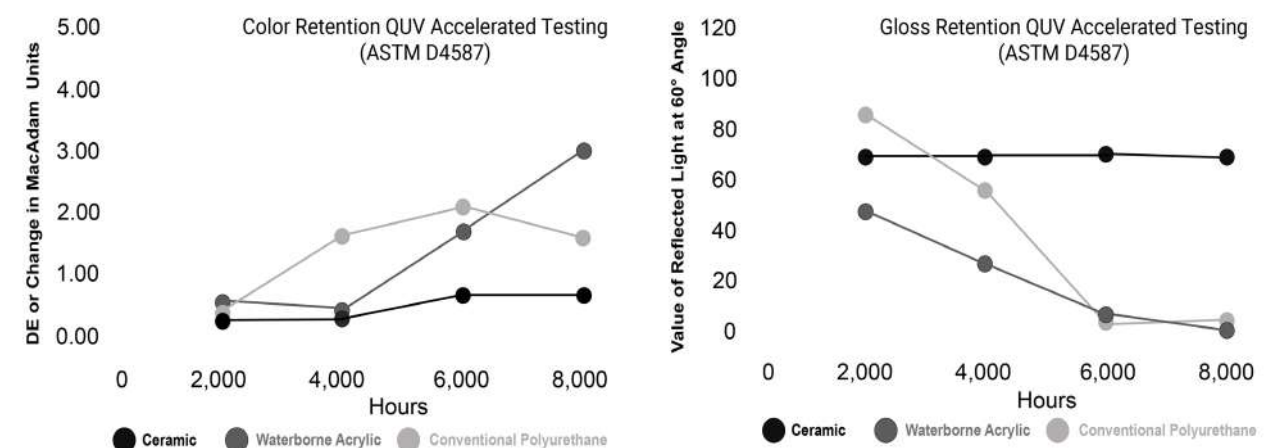
NANO-CERAMIC revolutionary **Coollest White Paint** has superb reflective properties of about 80% of the sun rays. Our **Coollest White Paint** shields buildings by blocking sunlight (passive cooling by +/- 6°C), which effectively can reduce annual electricity cost and greenhouse gases.

Our high tech reflective **Coollest White Paint** cools down the heat which means less air-conditioning. NANO-CERAMIC **Coollest White Paint** has an extremely high TSR value (Total Solar Reflectance) of 80.

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

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

Superior in Color & Gloss Retention



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

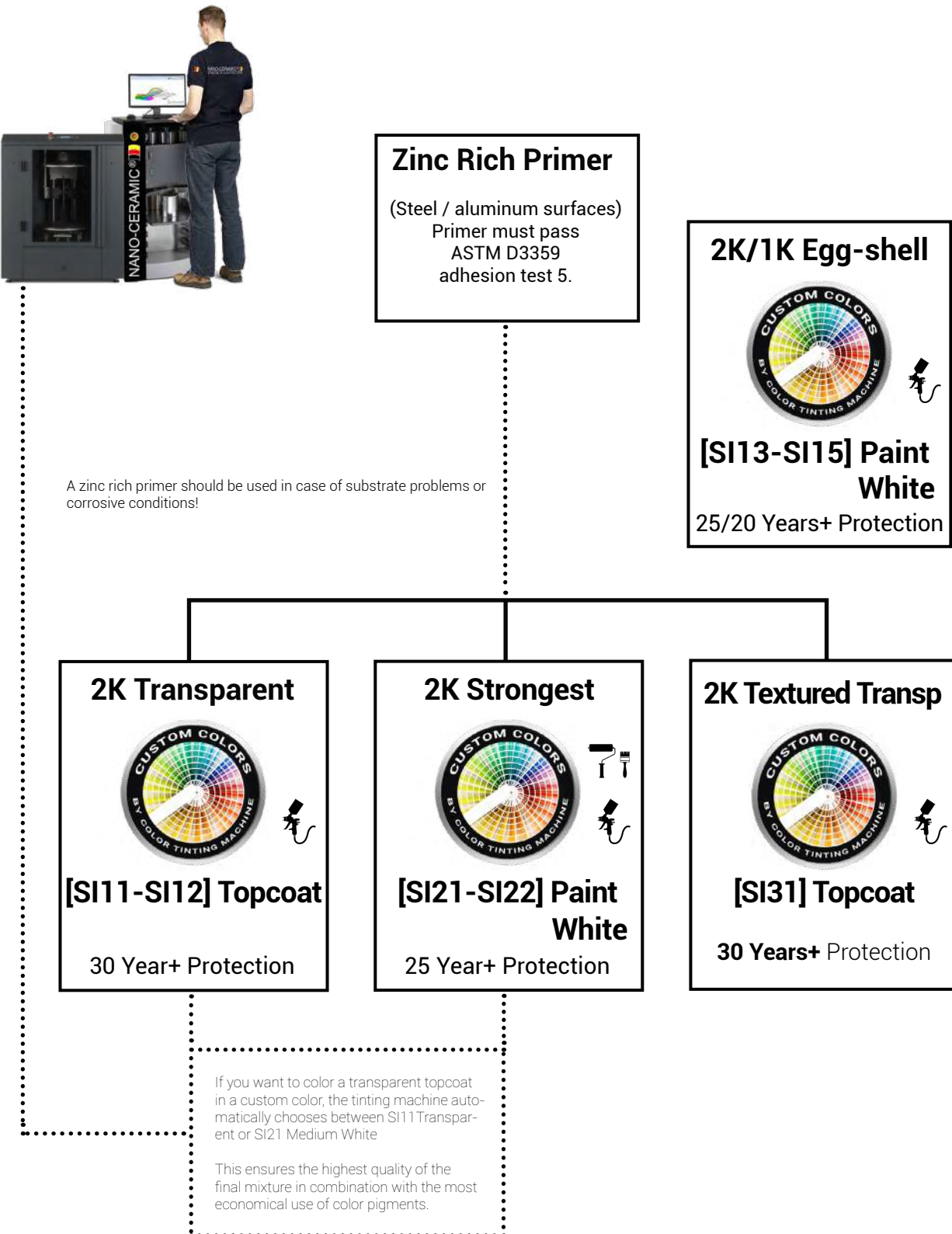
Conventional gelcoats are a mixture with Epoxy or Polyurethane resins, of which the quality of resin and pigments are the most important factor in the ultimate strength. Most have a lifespan of 15 years, with hardness, color and gloss retention (sun fading) and manual mixing towards consistent quality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

Quality Comparison of paints technologies

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

Characteristics	Acrylic Latex walls ceilings	Acrylic walls floors	Epoxy floors	Polyurethane waterproofing	CERAMIC® all surfaces
Primer	Yes	Yes	Yes	Yes	No
Adhesion Strength	Poor	Poor	Poor	Poor	Excellent
Cross Cut Test	Poor	Poor	Good	Poor	Excellent
Abrasion Resistance	Poor	Poor	Average	Poor	Excellent
UV Radiation Resistance	Average	Average	Poor	Good	Excellent
Artificial Atmospheric Agents	Poor	Poor	Good	Good	Excellent
Colour Retention	Average	Average	Poor	Poor	Excellent
Gloss Retention	Poor	Poor	Poor	Poor	Excellent
Chemical Resistance	Good	Good	Good	Poor	Excellent
Severe Chemical Attack	Poor	Poor	Average	Poor	Excellent
Temperature Resistance	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	15-30+

Permanent Coating Protection Plan for Industrial Objects





APPLY
VIDEO
SCAN
QR CODE



SI11/SI12 2-Component (2K)

Topcoat Transparent for glossy and matt surfaces

Article Nr	: SI112000 2 L / 1.900 g SI122000 2 L / 2.000 g
Consumption	: 3 layers +/- 270 g/m ² - 285 ml/m ² 75 micron = 7 m ²
Reachable area	: 2 layers +/- 180 g/m ² - 190 ml/m ² 50 micron = 14 m ²
	: 1 layer +/- 90 g/m ² - 95 ml/m ² 25 micron = 21 m ²
Hardness	: H9
Used for	: Gelcoat, fiberglass, steel, aluminum, plastics, wood, adiater tubes, walls, floors practically any surface.
Application field	: Industrial objects

SI11/SI12 is an incredibly strong 2-component paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

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

Expected life duration up to 30 years+



How to use: Page 29

If you want to color a transparent topcoat in a custom color, the tinting machine automatically chooses between SI11 Transparent or SI21 Medium White.

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

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



TEST
REPORT
SCAN QR
CODE



SI21/SI22 2-Component (2K)

The Strongest White Paint for glossy and matt surfaces

Article Nr	: SI212000 2 L / 2.400 g SI222000 2 L / 2.500 g
Consumption	: 3 layers +/- 200 g/m ² - 165 ml/m ² 90 micron = 12 m ²
Reachable area	: 2 layers +/- 130 g/m ² - 110 ml/m ² 60 micron = 16 m ²
	: 1 layer +/- 65 g/m ² - 55 ml/m ² 30 micron = 24 m ²
Hardness	: H8
Used for	: Gelcoat, fiberglass, steel, aluminum, plastics, wood, adiater tubes, walls, floors practically any surface.
Application field	: Industrial objects

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

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 300°C

Expected life duration up to 30 years+



How to use: Page 29

If you want to color a transparent topcoat in a custom color, the tinting machine automatically chooses between SI11 Transparent or SI21 Medium White.

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

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



APPLY
VIDEO
SCAN
QR CODE



SI31_{2-Component (2K)}

Textured Transparent Semi Gloss antislip - high impact resistant



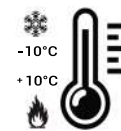
Article Nr	: SI412000 2 L / 2.000 g
Consumption	: 3 layers +/- 222 g/m ² - 222 ml/m ² 90 micron = 9 m ²
Reachable area	: 2 layers +/- 111 g/m ² - 111 ml/m ² 60 micron = 18 m ² : 1 layer +/- 74 g/m ² - 74 ml/m ² 30 micron = 27 m ²
Hardness	: H9
Used on	: Gelcoat, fiberglass, steel, aluminium, : plastics, wood, virtually any surface.
Application area	: Buildings, marine, offshore structures, bridges, etc

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

- Easily repels water, dirt, dust, and pollutants.
- This coating has an outstanding hydrophobic effect.
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 300°C.
- Zero absorbtion, waterproof, insulation and heat rejecting

Expected life duration up to 30 years+

How to use: Page 29



Easy to apply
Repaintable



Cut maintenance



Anti-water spot
Anti-corrossion



Permanent hydrophobic



Self-cleaning
stays cleaner longer



Anti-scratch



Visibility safety



Protects your investment



Impact Resistance
1kg / 80cm



APPLY
VIDEO
SCAN
QR CODE



SI13_(2K) / SI15_(1K)

Paint Coolest White for egg-shell surfaces



Article Nr	: SI132000 2 L / 3.300 g SI152000 2 L / 3.000 g
Consumption	: 2 layers +/- 235 g/m ² - 143 ml/m ² 90 micron = 14 m ²
Reachable area	: 1 layer +/- 118 g/m ² - 72 ml/m ² 45 micron = 28 m ²
Hardness	: H7/H6
Used for	: Concrete, steel, wood, acrylic, gypsum
Application field	: Buildings, tunnels, walls, ceilings, exteriors, interiors

How to use: Page 29

SI13/SI15 is an incredibly strong 2-component eggshell paint system which forms a durable matrix of molecular bonds (transformation to ceramic) resulting in permanent protection of the surface.

Three simple steps: Clean, Dry, and Apply.

- Easily repels water, dirt, dust, and pollutants.
- This coating does not absorb any water
- Resistant to all kinds of chemicals and UV radiation.
- This coating can withstand temperatures of 300°C

Expected life duration up to 25 year+ or 20 year+



Easy to apply
Repaintable



Cut maintenance costs



Anti-water spot
Anti-corrossion



Permanent hydrophobic



Self-cleaning
stays cleaner longer



Impact Resistance
1kg / 2lbs



Thermal Shock-Resistant



Protects your investment

Color mixing has never been so easy!!!

X- SMART is the modular version of the acclaimed dispenser series, extremely cost-effective and easy to operate, with a low maintenance

This color mixer has a robust and tubeless design, built with a patented pump technology (to reduce waste) and identical features, making it a highly advanced dispenser, ideally suited to reduced capacity.



Prisma-RT is a cloud-based innovative mobile color application compatible with the X-SMART dispenser. It brings the best of wireless technology without the associated investment costs in hardware. Customers do not have to provide computers and other accessories or set up servers, eliminating the need for complicated and time-consuming installation and configuration. This smart Prisma-RT device helps to fix prices and taxes and can print labels via Wi-Fi.



X-SMART
Stabilizer plates

16 High Grade Coloring chemicals



Titanium White
Masstone
Tint
844-0061 4 L



Quinacridone Red
Masstone
Tint
844-0451 1 L



Scarlet Red
Masstone
Tint
844-0526 1 L



Lead Free Orange
Masstone
Tint
844-0982 1 L



Trans Red Oxide
Masstone
Tint
844-1054 1 L



Red Oxide
Masstone
Tint
844-1063 1 L



Burnt Umber
Masstone
Tint
844-1352 1 L



Trans Yellow Oxide
Masstone
Tint
844-1852 1 L



Yellow Oxide
Masstone
Tint
844-1863 1 L



Lead Free Med Yellow
Masstone
Tint
844-2555 1 L



Yellow
Masstone
Tint
844-2826 1 L



Organic Yellow
Masstone
Tint
844-2852 1 L



PHTHALO Green
Masstone
Tint
844-5558 1 L



Quinacridone Violet
Masstone
Tint
844-9451 1 L



Lamp Black
Masstone
Tint
844-9955 1 L



PHTHALO BLUE
Masstone
Tint
844-7262 1 L

Color card

Residential		
SI13 White Egg-Shell (Flat Finish) 15/25 (20/60°)	SI41 Textured White Semi Gloss 41/69 (20/60°)	
SI15 White Egg Shell (Flat Finish) 18/28 (20/60°)	SI42 Textured White Matte 11/21 (20/60°)	
SI21 White Gloss 49/77 (20/60°)		
SI22 White Satin 33/59 (20/60°)		
Original	RAL 9018	RAL 3015
Cool white	Papyrus white	Light pink
RAL 9001	RAL 9022	RAL 5007
Cream white	Pearl light grey	Pastel blue
RAL 9002	RAL 9023	RAL 4009
Grey white	Pearl dark grey	Pastell violet
RAL 9003	RAL 1000	RAL 6027
Signal white	Green beige	Light green
RAL 9004	RAL 1001	RAL 7030
Signal black	Beige	Squirrel grey
RAL 9005	RAL 1002	RAL 1036
Jet black	Sand yellow	Pearl gold
RAL 9006	RAL 1011	RAL 8029
White aluminium	Brownbeige	Pearl copper
RAL 9007	RAL 1013	RAL 8012
Grey aluminium	Pearl white	Pearl blackberry
RAL 9010	RAL 1014	RAL 5025
Pure white	Ivory	Pearl gentian blue
RAL 9011	RAL 1015	RAL 6036
Graphite black	Light Ivory	Pearl opal green
RAL 9016	RAL 9017	RAL 8016
Traffic white	Traffic black	Mahogany braun

Wood
SI11 Transparent Gloss 51/78 (20/60°)
SI12 Transparent Matte 11/21 (20/60°)
SI11 Transparent
SI11 Light
SI11 Nut
SI11 Colonial

Industrial
SI11 Transparent Gloss 51/78 (20/60°)
SI21 White Gloss 49/77 (20/60°)
SI22 White Satin 33/59 (20/60°)
Transparent
RAL 1026
Lumious yellow
RAL 3020
Traffic red
RAL 9005
Jet black
RAL 1004
Golden yellow [Cat]
RAL 6002
Leaf green [J.D Deere]
RAL 7035
Light grey
RAL 7011
Dark grey
RAL 7001
Silver grey
RAL 8032
Signal brown
RAL 8025
Pale brown

Marine	Military		
SI12 Transparent Matte 11/21 (20/60°)	SI31 Textured Transparent Semi Gloss 41/69 (20/60°)		
SI41 Textured White Semi Gloss 41/69 (20/60°)	SI33 Textured Black Semi Gloss 41/69 (20/60°)		
SI42 Textured White Matte 11/21 (20/60°)			
Original	RAL 3000	Transparent matte	Light stone
Cool white	Fire red		
RAL 9010	RAL 3004	RAL 7031	RAL 6031
Pure white	Burgundy	Blue grey	Bronze green
RAL 9001	RAL 7036	RAL 9005	RAL 6451
Cream white	Platinum	Jet black	Brunswick green
RAL 5023	RAL 9005	RAL 5006	RAL 7016
Distant blue	Jet Black	NATO green	Dark sea grey
RAL 1023	RAL 5019	RAL 7024	RAL 5008
Traffic yellow	Turquoise bleu	Graphite grey	[RAF] Blue grey
RAL 7001	RAL 6027	RAL 1015	
Silver gray	Light green	Desert sand	
RAL 1015	RAL 9000	Camo beige	
Light Ivory	Violet blue		
RAL 9016	RAL 9012	Dark grey camo	
Pure white	Light blue		
RAL 9001	RAL 9002	Dark brown camo	
Cream	Ultramarine blue		
RAL 1001	RAL 9013	Olive drap	
Beige	Sapphire blue		
RAL 1020	RAL 5005	Very dark drap	
Olive yellow	Signal blue		

Antifouling
SI14 Color 3141 (20/60°)
Transparent
RAL 9005
Jet Black
RAL 3001
Signal Red
RAL 5002
Ultra marine blue
RAL 7004
Signal Grey



SIX1

2-Component (2K)

Primer Epoxy Polyamide

heavy duty - anti-corrosion

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

SIX1 is a solvent based epoxy polyamide primer. This primer is used for corrosion protection on concrete, stainless, galvanized, carbon and alloy steel, aluminum in corrosive conditions and has excellent adhesion to all organic substrates and to all of our ceramic topcoats. The primer can be applied at a relative humidity of 40-80% and can be painted over within 8 hours 30°C, 1 hours 60°.



Fast Repaintable



Excellent adhesion



Heavy Duty Primer - Smooth Surfacer

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.

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°.



Fast Repaintable



Excellent adhesion



SIX3

2-Component (2K)

Primer PU Wood Filler

surface modifier - absorption reducer

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

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



Fast Repaintable



Excellent adhesion



Wood or Natural Stone - Filler

SIX4

1-Component (1K)

Primer Acrylic Waterbased

all surfaces modifier

Article Nr	: SIX41000-WH/GR 1L / 1.2kg SIX44000-WH/GR 4L / 4.8kg
Consumption	: 2 layers +/- 240 g/m ² - 200 ml/m ² 60 micron = 5 m ²
Reachable area	: 1 layer +/- 120 g/m ² - 100 ml/m ² 30 micron = 10 m ²
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

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.



Fast Repaintable



Excellent adhesion



VOC Free



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 : Transportation.

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



Fast Repaintable



Excellent adhesion



SOLV

Thinner solvent

for all types of our ceramic paint & coating

Article Nr : SOLV0400 SOLV0400 400 ml / 345 g SOLV2000 2 L / 1760 g SOLV5000 5 L / 4400 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 speed up the curing process you can add the high efficient ACCL Accelerator.



Scan QR Code for TDS and SDS

Instructions for use:
 Make sure the surface is free from contamination and dirt.
 A thin film primer can be used in case of problems with the adhesion of the ceramic coating. The Primer should give the ASTM D2238 adhesion test 5.
 Mix SIX51000 (Coating) with SIX5200 (putty), or mix it on a wet surface with SIX51000 (putty) using a roller. The surface must be absolutely dry before application. Apply the layer reaches a thickness of approx. 75-85 micron 2-4 mil after drying.
 Thickness to be determined by surface porosity.
 Let the surface dry for 24 hours. It is touchable in 1 hour, after 24 hours 80% cured and the remaining 10% (cure) information into a maximum of 7 days. Be aware that the mixed content cannot be stored longer than 3 hours.
 75-85 micron 2-4 mil (0.003 in - 0.004 in) (0.003 in - 0.004 in)
 Content: 1.8L / 60oz (NET WT: 1.73 kg / 3.8 LBS)

WARNING!
 FLAMMABLE - LIQUID, VAPOR AND SPRAY MOST HARMFUL.
 EXPOSURE MAY CAUSE LUNG DAMAGE, ALLERGIC REACTION OR RESPIRATORY REACTION. MAY BE HARMFUL TO EYES. MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION.

2K CERAMIC COATING
 Super Durable Utilizes Nano-Technology
 UV / Chemical / 300°C / 600°F Resistant

Perfect adhesion on:
 Fiberglass, Epoxy, Aluminum, Steel, Concrete, Stone, Wood, Acrylic, Titanium.
Content:
 Primer: Primer, PPS, Additive, Diethylene Glycol.
Finish: Glossy
Sheen: 81/78 (23 100°)

WARNING: FLAMMABLE - LIQUID, VAPOR AND SPRAY MOST HARMFUL. EXPOSURE MAY CAUSE LUNG DAMAGE, ALLERGIC REACTION OR RESPIRATORY REACTION. MAY BE HARMFUL TO EYES. MAY CAUSE EYE, SKIN, NOSE AND THROAT IRRITATION.

GLOSS **TRANSPARENT / COLORABLE** **TRANSPARENT**

TDS **SDS**

SCAN CODE

Video Application & (Test) Results

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:



Application information:

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.

How to use our Permanent Coating System:

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

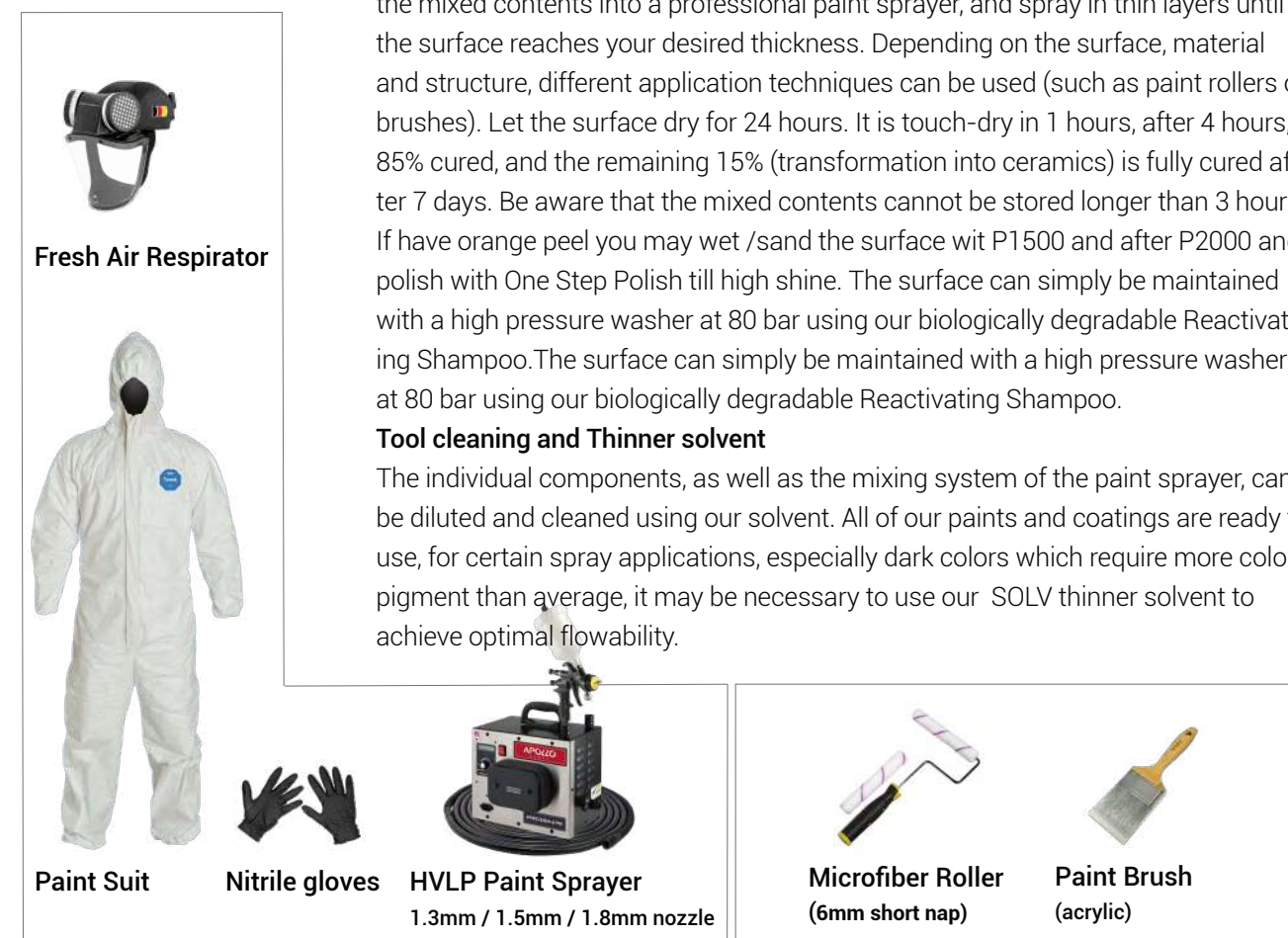
Processing Temperature:

Ambient temperature: 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:



Application information:

The SI11/SI12/SI21/SI14/SI31 coatings can be applied directly or indirectly on all surfaces (porous and non-porous) such as concrete, steel, wood, fiberglass, acrylic, gypsum, painted or unpainted surfaces, indoors, or outdoors. The surface underneath will be superbly protected against erosion and corrosion and will stay cleaner longer. Cleaning becomes quicker, easier, and less expensive, as special cleaning agents are unnecessary.

Preparation

Make sure the surface is free from any contamination and dirt. A zinc rich primer can be used for ferrous metals that are exposed to coastal and marine environments or in case of problems with the substrate.

Warning the surface must be completely dry before application and must stay dry for 6 hours after application after application!

The 2-Component Permanent Coating System

Mix the can SI11B-SI12B-SI21B-SI31B with the can of SI11A-SI12A-SI21A-SI31A by pouring can B into can A, or measure **exactly by NET WEIGHT** in a ratio of 9:1 **by using a scale** and **mix very well**.

Mix SI14A2800 with SI14C0800 with by pouring can C into can A, or measure **exactly by NET WEIGHT** in a ratio of 7:2 **by using a scale** and **mix very well**, then add the entire content of SI14B0400 or measure **exactly by NET WEIGHT** in a ratio of 7:1 (compared to SI14A2800) **by using a scale** and **mix very well**. Carefully pour the mixed contents into a professional paint sprayer, and spray in thin layers until the surface reaches your desired thickness. Depending on the surface, material and structure, different application techniques can be used (such as paint rollers or brushes). Let the surface dry for 24 hours. It is touch-dry in 1 hours, after 4 hours, 85% cured, and the remaining 15% (transformation into ceramics) is fully cured after 7 days. Be aware that the mixed contents cannot be stored longer than 3 hours. If have orange peel you may wet /sand the surface wit P1500 and after P2000 and polish with One Step Polish till high shine. The surface can simply be maintained with a high pressure washer at 80 bar using our biologically degradable Reactivating Shampoo. The surface can simply be maintained with a high pressure washer at 80 bar using our biologically degradable Reactivating Shampoo.

Tool cleaning and Thinner solvent

The individual components, as well as the mixing system of the paint sprayer, can be diluted and cleaned using our solvent. All of our paints and coatings are ready to use, for certain spray applications, especially dark colors which require more color pigment than average, it may be necessary to use our SOLV thinner solvent to achieve optimal flowability.

NANO-CERAMIC®

WWW.NANO-CERAMIC.COM INDUSTRIAL PROTECTIVE COATINGS



The Leader in Durability

Did you know?

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

Dealer

