Brochure **Permanent Colour System**

**Zero Maintenance**
**Always like New!!**
What is NANO-CERAMIC® Permanent Colour System?

NANO-CERAMIC® is a protective layer of ceramic material whose smallest and hardest particles provide superior scratch resistance and protection for all factory paints and exterior surfaces.

What makes NANO-CERAMIC® Permanent Colour System so different?

NANO-CERAMIC® is more than 4 times stronger than original factory paint like acrylic. This allows NANO-CERAMIC® to effectively prevent damage that should affect the original surface underneath. The original surface or paint is well protected and maintained.

Our coatings can withstand temperatures of 600°C and can be used to make walls more fire retardant. As a result, building constructions could be made lighter and buildings could be made higher.

NANO-CERAMIC® coating is resistant to all kinds of acid, such as bird droppings. Unlike the conventional paints, where other paints easily can be permanently damaged.

Also external impurities such as carbon dioxide can enter in conventional paints, this is not possible with our 2 component ceramic coating. This coating is so strong that it can withstand almost anything, even a severe chemical attack.
What are the benefits of NANO-CERAMIC® Permanent Colour System?

NANO-CERAMIC® will provide the surface with a superior permanent colour coat film that is resistant to chemical etching, much harder than conventional acrilic paints, with a permanent hydrophobic surface that is self cleaning, easier to clean, will stays cleaner for longer and always looks like new.

NANO-CERAMIC® coating system can be applied direct or indirect on all kind of surfaces (absorbing and non-absorbing), such as concrete, steel, wood, acrilic, gypsum, painted or unpainted without the need of a primer.

The surface underneath will be protected against corrosion and pollution and will be cleaner for longer, and the cleaning itself becomes less time and less expensive as special cleaning agents are unnecessary.

The Strongest and Cleanest Colour Paint on the Globe is made by NANO-CERAMIC®

NANO-CERAMIC® Our coating system is tested according the european norm for outdoor paints EN 1504-2 what include: cross cut test, carbon dioxide permeability, permeability to water vapour, water absorption, thermal change, thermal shock, aging at 70°C, resistance against chemical attack, impact resistance, adhesion strength pull-off test, behaviour after atmospheric agents UV radiation. No deviations from the standard or visual changes where observed.
SI13 Custom Colour
2 - Component

Permanent Colour system
for all kind of surfaces

Article Nr: : SI131000  1000kg

Consumption : +/- 50gr-70gr/m²
    depending on structure
    minimal thickness 0.20mm 20 Years 1Kg = +/- 20-15m²

Used for : concrete, mineral stone, metall, wood, fiberglass
    and painted surfaces

Application area : buildings, airports, offshore, bridges, tunnels
    hotels and projects of private housing, etc.

SI13 is a permanent 2-component colour surface coating which
bonds molecular and permanently onto the surface resulting in
permanent protection from the surface underneath.

Three simple steps Clean, Dry and Apply

• Water and dirt get no change to penetrate, and is easy to
    remove.
• This coating has an outstanding hydrophobic effect.
• Cleaning intervals, or restoration wil be greatly reduced.
• Resistent against all kind of chemicals and UV radiation
• Superior anti pollution and anti corrosion coating
• This coating can withstand temperatures of 600°C therefore
    suitable for making walls fire retardant.

This colour coating is custom made the minium quantity is
1.000kg (10.000m²). We deliver a free sample upfront.

Will last for up to 20 year
Zero Maintenance - Always Like New

**e-Warranty**

NANO-CERAMIC® quality assurance and reliability are assured with SI13 for 10 years if applied with a minimal thickness of 0.20mm.

The limited product warranty entitles the Purchaser of SI13 for new building applications. When professionally installed by one of our approved installers on concrete walls only, from discoloration, peeling, or delaminating.

All claims caused by wrong cleaning chemicals other than our NWAS Reactivating Hydrophobic Fast Dry Gloss Shine Shampoo will be neglected. Warranty is only valid if it is registered by one of our approved Installers via our E-Warranty Registration form on our website.
These products can be stored for up to 24 months (in a dry, temperature stable dark environment)

Consumption:
Approx. +/- 50gr/m²
Processing temperature: 5-30°C
Avoid direct sunlight and/or high air humidity.

IMPORTANT:
Before you use a NANO-CERAMIC® product please make sure you wear suitable protection gear. We always recommend to use Latex or Nitril gloves to make sure your hands are protected from any possible damage to your skin. It’s absolutely necessary to wear a full face chemical respirator mask and safety suit.

Applicators:

Application information
The SI13 system can be applied direct or indirect on all building surfaces (absorbing and non-absorbing) such as concrete, steel, wood, acrilic, gypsum, painted or unpainted, indoor or outdoor. The surface underneath will be protected against erosion and corrosion and will be cleaner for longer, and the cleaning itself becomes less time and less expensive as special cleaning agents are unnecessary.
Make clean the surfaces thoroughly until the complete surface is absolutely clean. If necessary use our Reactivating Pure Shine Shampoo in combination with a high pressure washer. Make sure that all contamination is removed so that the coating can bond properly onto a clean surface. Make sure that the surface is completely dry before application! The surface may not become wet during application and 24 hours after application!

This is a 2-Component Nano Coating System
Mix bottle SI13B (250gr/0.55lbs) with bottle SI13A (750gr/1.65lbs) by pouring the bottle B bottle into the A bottle, or measure exact by net weight in the ratio 3:1 and mix it very well. Carefully poor the mixed content into paint sprayer, spray in thin layers till the surface reach a minimal thickness of 200µm / 0.2mm after drying. Depending on the face, material and structure, different application techniques can be used: Paint Roller, or Paint Brush. Let the surface dry for 24 hours. (85% is cured after 24 hours, and the remaining 15% will be fully cured after 7 days). Be aware that the mixed content can not be stored longer than 3 hours.

Maintenance
The surface can simply be maintained with a High Pressure washer at 80-120 bar using our Biologically Degradable Reactivating Shampoo

Tool cleaning
The individual components as well as the mixed system from the paint sprayer can be diluted using our Steril Cleaner.
MSDS Material safety Data Sheets

Corrosion Test

Test simulation

Not Coated

Tes simulation

Coated

Test Report EN 1504-2 Outdoor Paints

How to apply

DOWNLOAD FILE

nano-ceramic.com

WATCH THE VIDEO

nano-ceramic.com

Paint Roller (Microfiber)

Paint Brush (Acrilic)

Paint sprayer 0.04 - 0.07” nozzle

1.00 - 1.50 mm nozzle
Do you know?
That our coatings are made of pure silica sand which is the most common element on earth?