Brochure Army - Navy

Anti-Corosion
Anti-Scratch
Self Cleaning
Ultra Dry
What is Nano-Ceramic®?

**NANO-CERAMIC®** is a revolutionary ultra hard and longlasting surface coating wearing ceramic in the world, that provides superior scratch resistance, and permanent protection for all in army trucks and tanks used materials like, aluminium, stainless steel, glass and carbon. The coating bonds molecular and permanent onto the surface, and is also available in matt transparent.

**NANO-CERAMIC®** is flexible, can handle high temperatures of 850°C, expansion and deformation such as the flexing of aluminium panels, the coating won't crack, and can't be peeled off.

**NANO-CERAMIC®** is a permanent layer, and will give the surface a longlasting showroom condition, no need for waxes or other heavy cleaning agents.

**NANO-CERAMIC®** is completely resistant to acidic environmental substances, as bird droppings, and to oxidation, even by salty water, this unlike factory paints and other parts which can be permanently damaged.

**NANO-CERAMIC®** will not etch or dissolve when in contact with these substances, like salts, fuels, hydraulic fluids, and other harmful substances, and the clean and original surface is maintained.
What are the benefits of applying NANO-CERAMIC®?

NANO-CERAMIC® will provide the surface with a superior clear coat film that once cured has a permanent hydrophobic surface that is much easier to clean, and stays cleaner for longer. Resulting in less maintenance, less maintenance cost, and in a longer life time, of the equipment.

How it works?

Step 1 Surface layer of factory gel coat is damaged and contaminated.

Step 2 Technician decontaminates and polishes gel coat to produce a smooth and even surface.

Step 3 Thickness gel coating will be restored with a superior NANO-CERAMIC®

Tip! Install it direct upon delivery of a new equipment This is by far the best and most economical option.
The Perfect Scenario Small & Medium Surfaces

**RECOMMENDED**

- **SI09**
  - Interior Sealer
  - Fabrics & Leather

- **SI10**
  - Basecoat
  - Permanent Protection

**OPTIONAL**

- **SI06**
  - Glass / Acrylic
    - Windows

- **SI07**
  - Economic
    - 3 Year protection
    - Topcoat
    - Hydrophobic
    - Anti Scratch

- **SI12**
  - Advanced
    - 5 Year protection
    - Topcoat
    - Hydrophobic
    - Anti Scratch

**Shampoo Nano**

- RE-ACTIVATING

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**Economic**

**Advanced**

**NANO-CERAMIC®**

**THE NEW GENERATION COATINGS**

**NANO-CERAMIC.COM**
The Perfect Scenario Large Surfaces

SI06
Glass / Acrylic
Windows

SI11
Spray on
15 Year to 20 Year ++
Permanent Protection

SI02
Interior Sealer
Fabrics & Leather

OPTIONAL

Shampoo Nano
Re-activating

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
Leading in Durability

<table>
<thead>
<tr>
<th>Product</th>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI11 Military Grade 2-Component</td>
<td>MG</td>
<td>40% more durable/harder Spray on !! (hydrophobic)</td>
</tr>
<tr>
<td>SI10 Basecoat Permanent</td>
<td>H9++</td>
<td>30% durable/harder than SI07 (non hydrophobic)</td>
</tr>
<tr>
<td>SI12 diamond Gloss</td>
<td>H9+</td>
<td>20% more durable/harder than SI07</td>
</tr>
<tr>
<td>SI07 Wetlook Gloss</td>
<td>H9</td>
<td>10% more durable/harder than the average competitor</td>
</tr>
</tbody>
</table>

What is material nano science?
Wear Coefficient or expected lifetime, $K$

$$K = \frac{(\text{wear volume}) \times (\text{hardness})}{(\text{normal load}) \times (\text{sliding distance})}$$

Order procedure

Trying is the best way to convince yourself.
You can order directly from us through our automatic order entry system
www.store.nano.ceramic-com
Upon receipt of order we will issue an Invoice, and once payment is received we will ship the order by courier of your choice.
Where to use our coatings

Regular Preparation Products

High End Ceramic Coatings

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
The benefits at a glance!

• Two simple steps Clean- and Apply
• Permanent protection from the surface underneath.
• Anti Scratch our layers are 4 times harder as factory paint.
• UV Ray Protection
• Superb protection against corrosion
• This coating has an outstanding hydrophobic effect, and the surface stays cleaner for longer.
• After the coating has been applied the surface is much easier and quicker to clean and the adhesion of dirt is reduced drastically.
• Our hydrophobic ultra-dry-surface application, prevents icing.
• Cleaning intervals and maintenance costs will be greatly reduced.
• Retention of paint work, and all surfaces treated resulting in a higher employability.
CLEANING
Make clean the surfaces thoroughly until the complete surface is absolutely clean. If necessary use our Reactivating Pure Shine Shampoo. Make sure that all contamination is removed so that the sealant can bond properly onto a clean surface. Make sure that the surface is completely dry before application!

APPLICATION
Shake the bottles very well before use! and spray until the surface is saturated.

CURING TIME
At normal ambient temperature the coatings are completely cured after approximately 24 hours.

AFTERCARE
We strongly recommend to use our re-activating shampoo, it reactivated the nano layer and cleans at the same time, without leaving a film of polymers or colouring chemicals behind as we fomade this shampoo on a very pure basis. This shampoo is very

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.
All parts from any material can be coated to assure maximum durability.

We have special coating to create a mat shine effect.

**HOW TO USE:**

**NANO-CERAMIC® SIO6 SIO7 SI10**

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

**Consumption:**
Glass: appr. 2ml/m²
Steel 2ml/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.

**RECOMMENDATION**
The best effect is achieved by treating surfaces that are in new or almost new condition.

**CLEANING**
Make clean the surfaces thoroughly until the complete surface is absolutely clean. If necessary use our Shampoo and Scrub Cleaner and use our Steril Pre-treatment Cleaner as a last step to make sure that all Scrub cleaner residue or 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!

**APPLICATION SI10 BASECOAT PERMANENT**
Shake bottle before use !! We recommend to apply the surface of the object in easy to handle segments of about 50x50cm. Put 5-6 drops SI10 on the mini towel 15x15cm using the applicator block underneath, devide the coating properly by going only 3 times over the same surface, you need to see that it is then is still a little wet. Wait +/- 15 seconds till the little wet surface lights up towards grey, then take the remaining residue of and buff it carefully, using two separate micro towels for this. Wait 2 hours before you continue with the application of the SI07
After 2 hours SI10 is 80% cured, and ready to receive SI07. After 11 days SI10 its full hardened out and is almost on removable.
Our coating is anti-corrosive and has self cleaning capabilities dirt is not sticking to the surface, the cleaning time will be reduced by 50%.

**APPLICATION SIO7**

Shake the bottle before use !! We recommend to apply the surface of the object in easy to handle segments of about 50x50cm.

Put 3-4 drops/m2 of SIO7 on the mini towel (15x15 cm) using the applicator block underneath.

Start deviding it from out of the middle of the surface, and keep spreading it arround with light pressure in criss-cross motions until the product is evenly distributed, MOST IMPORTANT keep on doing this till no product residue is visible and no hazing is there.

If you use to much coating and-or spreading it out from example one start position in a corner of a panel then you will not be able to devide it properly and it will roll up on eachother and form a not equal layer. To use to much coating and not divide it equally is the second most critical point !!

Actually when you apply in this correct way then there is no need to use a micro towel for polishing anymore, but if you still prefer to buff it, then buff it very gently and make sure that you use clean towels which are free from any contamination.
SI11 Transparent 2-Component

Metall / Paint / Fiberglass
Permanent coating system

<table>
<thead>
<tr>
<th>Article Nr:</th>
<th>SI111000 1L / 32oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption:</td>
<td>+/- 50gr-70gr/m² (depending structure)</td>
</tr>
<tr>
<td>Used for:</td>
<td>metall, paint, fiberglass</td>
</tr>
<tr>
<td>Application area:</td>
<td>Army - Navy</td>
</tr>
</tbody>
</table>

SI11 is a permanent 2-component surface coating system which bonds molecular and permanently onto painted and unpainted surfaces resulting in permanent protection from the surface underneath.

Two 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.
- On walls or tunnels cleaning intervals, or restoration will be greatly reduced. (anti-corrosion, anti-pollution)
- Resistant against all kinds of chemicals and UV radiation
- Superior anti pollution and anti corrosion coating

Will last permanent for at least 15-20 year+

Coating
- SI111000
  - 2 Component
  - A = 750gr
  - B = 250gr

Prepare and Clean
- Shampoo 1 Litre

How to use: See page 14

sprayable
permanent protection
anti corrosion
super hydrophobic
anti pollution
anti algae
UV protection
self cleaning cleaner for longer

NANO-CERAMIC®
THE NEW GENERATION COATINGS
NANO-CERAMIC.COM
These products can be stored for up to 24 months (in a dry, temperature stable dark environment)

**Consumption:**
Stone: appr. 50ml/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.

**Application information**
The SI13 system can be applied on Steel, Aluminium, Glass surfaces etc.
The SI11 system is transparent.
The surface 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 sealant can bond properly onto a clean surface. We recommend use our Steril Cleaner first prior to application to be sure that the surface is absolutely clean. Make sure that the surface is completely dry before application!

**This is a 2-Component Nano Coating System**
Mix bottle SI11 A with bottle SI11 B by pouring the bottle SI11 B bottle into the A 1L bottle, or measure by net weight in the ratio 3:1 and mix it very well. Carefully pour the mixed content into paint sprayer, spray in thin layers till the surface reach a thickness of appr. 80 - 200µm / 0.1-0.2mm / 0.004-0.008” after drying. Depending on the face, material and structure, different application techniques can be used: Paint Roller, Paint Brush, or just Whiping the surface with a cotton cloth pad
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 mixed content can not be stored longer then 3 hours. 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 can be diluted with our Steril Cleaner.

**NANO-CERAMIC® SI11 2 - Component Sprayable transparent**

**Applicators:**
Safety Paint Suit  
Nitrile gloves  
Chemical Full Face Respirator Mask  
Paint Roller (Polyurethane)  
Brush (Polyurethane)  
Cotton Cloth Applicator

Cat sprayer 0.04 - 0.07” nozzle  
1.00 - 1.50 mm nozzle

Permanent Protection for all surfaces on land or ocean.

HOW TO USE:

NANO-CERAMIC® NANO-CERAMIC.COM

Safety  
Paint Suit  
Chemical Full Face Respirator Mask  
Paint Roller (Polyurethane)  
Brush (Polyurethane)  
Cotton Cloth Applicator

THE NEW GENERATION COATINGS

NANO-CERAMIC.COM
Permanent Coating System (PCS) International Test report

CS Concrete
EN1504-2
Material Safety Data Sheets

Corrosion Tests

Instructions
Do you know?
That our coatings are made of pure silica sand which is the most common element on earth?

The leader in Durability

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