

CERAMIC PRO[®]
INDUSTRIAL

Who We Are

As the global leader in nanoceramic surface protection, Ceramic Pro offers a range of products that are specifically formulated to protect various surfaces. Our Ceramic Coating, Window Film, and Paint Protection Film products are all designed with cutting-edge technology based on ceramic molecular compounds, and have undergone years of research and testing to ensure their effectiveness. With world-patented formulas, Ceramic Pro is the top choice for anyone looking to protect their surfaces from damage and wear.

Where We Came From

Our first ceramic coatings were used in the oil and gas industries and on cargo containers. These coatings formed the basis for 50+ individual coatings for the automotive, aviation, industrial, and marine sectors. Ceramic Pro coatings are continuously being developed and tested to continue raising the bar and take the industry to new heights.

Preserving Your Investments Value & Performance

At Ceramic Pro, we specialize in providing advanced nanoceramic coating solutions designed to safeguard and enhance the longevity of your valuable industrial assets. With cutting-edge technology and a commitment to excellence, we offer a comprehensive range of coating options tailored to your specific needs. Our industrial coatings protect and preserve surfaces of structures, machinery, and equipment across various industries. They enhance durability and longevity, withstand harsh conditions, and provide corrosion protection.

Unparalleled Protection for Your Assets

Industrial assets are subjected to extreme conditions, ranging from corrosive environments to abrasive forces. Our nanoceramic coatings create a robust and impermeable shield that acts as a barrier against various forms of wear and degradation, ensuring your assets remain resilient and functional over time.

Corrosion & Rust Prevention

Industrial equipment and structures are often exposed to harsh environments, including moisture, chemicals, and saltwater, which can lead to rust and degradation. The consequences of corrosion in industrial settings can be catastrophic, resulting in costly downtime, repairs, and decreased productivity. Our nanoceramic coatings prevent corrosion by forming a tight barrier against moisture, chemicals, and corrosive agents, preserving the integrity of your assets.



Why Choose Nanoceramic Coatings?

Wear and Abrasion Resistance

In the dynamic realm of industrial environments, machinery and structures are prone to wear and abrasion caused by friction or interactions with abrasive substances. Our cutting-edge coatings present a remarkable level of abrasion resistance, serving as an effective shield against corrosive forces. Ceramic Pro coatings allow for prolonged durability and sustained peak performance by protecting your equipment and maximizing the efficiency of your industrial operations.



Stain Resistance

Nanoceramic coatings contribute to maintaining a clean appearance for industrial surfaces by repelling stains, resisting dirt and contaminants, offering UV protection, and facilitating easy cleaning. Their longevity, chemical resistance, and aesthetic enhancements collectively ensure surfaces remain visually appealing and well-maintained, even in demanding industrial environments.

UV and Weather Defense:

Ceramic coatings play a vital role in preserving industrial assets and equipment from the environment. Ceramic Pro coatings create a shield against prolonged sunlight, harmful UV rays, moisture, and weathering - effectively counteracting fading, cracking, and deterioration. Applied in layers, our coatings safeguard your assets from harm to their appearance or structural integrity. Ensure the integrity and aesthetics of your outdoor signage, structures, and vehicles.

Chemical Shield:

In environments where assets are exposed to chemicals, acids, alkalis, or other corrosive substances, coatings can provide chemical resistance. Our coatings are engineered to prevent chemical reactions with the underlying material, safeguarding your assets from chemical-induced damage and maintaining its performance.



Anti-Icing

Nanoceramic coatings offer effective anti-icing support for industrial surfaces. They achieve this through a combination of reduced adhesion, creating a non-stick hydrophobic surface that deters ice formation. With durability and resistance to harsh conditions, they provide long-lasting protection while enhancing safety and efficiency. This translates into cost savings by minimizing maintenance, downtime, and potential hazards associated with ice buildup on critical surfaces.

Graffiti

Nanoceramic coatings offer effective protection against graffiti by forming a barrier on surfaces. This discourages and diminishes reliance on abrasive removal techniques. Our coatings are applicable to a variety of surfaces. Protect your property and your community by reducing graffiti-related harm.



Exceptional Durability and Efficiency

Our coatings are formulated using state-of-the-art nanotechnology, resulting in an exceptionally durable protective layer that withstands harsh conditions and extends asset lifespans. By extending the lifespan of your assets and minimizing maintenance requirements, our coatings lead to long-term cost savings and enhanced operational efficiency.

Electronic Corrosion Protection

Ceramic Pro coatings have undergone extensive testing, and their effectiveness in providing protection against corrosion has been well established. These coatings create a uniform, oleophobic and hydrophobic layer that offers reliable protection against environmental pollutants, including moisture, oils, dirt, grime, fingerprints, and other substances. By utilizing Ceramic Pro coatings, equipment will be exceptionally shielded against corrosive elements such as moisture, water, salt fog or mist, and sulfur.

Temperature & Heat Resistance

Industries that involve high temperatures or extreme heat conditions require specialized coatings that can withstand such environments. These coatings not only protect assets from heat-related damage but also ensure their structural integrity, making them ideal for industries such as aerospace, power generation, and metalworking. To maintain the performance of assets, it is crucial to use coatings that are specifically designed to withstand elevated temperatures.



One formula for ambitious goals

Ceramic Pro Strong is our most versatile and protective product yet. Utilizing advanced nanotechnology, it effectively shields all industrial surfaces from a wide range of threats. Once cured, it forms a robust barrier that withstands solvents, acids, alkalis, UV rays, harsh weather conditions, and corrosion. The coating provides protection from temperatures ranging from -50 to 2,200 degrees Fahrenheit. The product's hardness rating can reach up to 9H, depending on the substrate. It imparts a lotus effect that renders the surface hydrophobic and self-cleaning. Furthermore, it safeguards against damage caused by rust, graffiti, and high temperatures. Invest in Ceramic Pro Strong to safeguard your valuable assets.

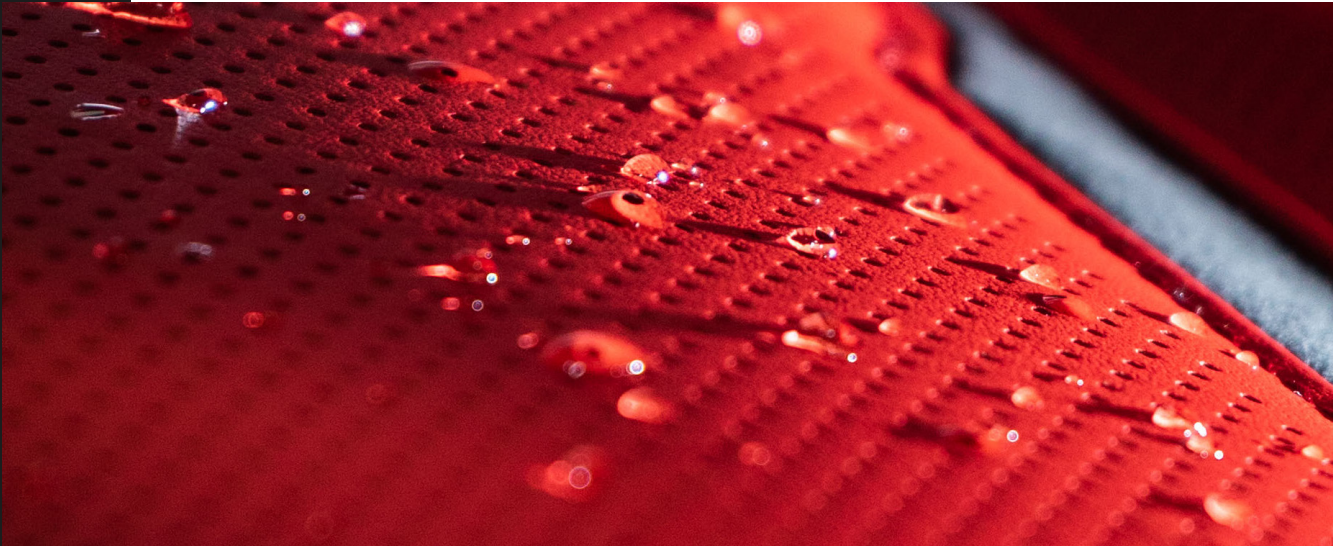
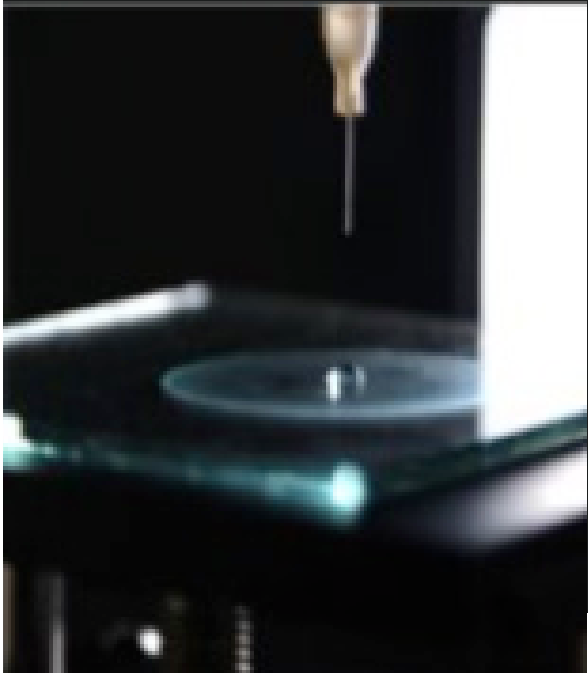
- **9H Glass Coating**
- **Crystal Clear Protection**
- **Permanent Substrate Protection**
- **3D Matrix Technology**
- **Chemical Resilience**
- **Effortless Cleaning**
- **Sustained Efficacy**
- **Anti-Graffiti Properties**
- **Simplified Application**
- **Rapid Cure Time**



- Gloss level:**
High (depends on the substrate)
- Base:** Solvent based
- Water contact angle:** 110°
- Air Cure:**
1-2 hours at 25° (dry surface)
3-5 days at 25° (Fully dry)
- Thermal Cure:**
30 min at 130°
10 min at 200°
- Viscosity #2 Zahn Cup:**
12-14 seconds (depends on formula)
- 5% Salt Spray Test (ASTM B117):** 350 hours
- Pencil hardness (JIS 5400):** 9H
- Tape Cut Adhesion (ASTM D3359):** 5b
- Mandrel bending (ASTM D522):**
0mm coating loss at 180° of rotation
- Impact (ASTM D2794):** 80/80 inch-pounds
- Thickness of coating:** Up to 15-20 micron
- Viscosity:** 20-30 mPa.s (20 °C)
- Consumption:** 10-20 ml per sq. meter
- Density:** 0.94-0.96 g/cm3

Basic Criteria For The Testing Of Coatings

- Cross Cut (Tear and Adhesion Test)
- Pencil Test
- Acid Alkali/ Salts - Resistance
- UV Resistance
- REACH- Non toxicological-Non toxic



Contact Angle and Its Significance:

The contact angle refers to the angle formed at the point where a liquid (in this case, water) meets a solid surface. It is a crucial measure in surface science and has importance in various applications, including coatings like STRONG. Comparing the water contact angles between protected and unprotected surfaces is a common way to assess the effectiveness of a protective coating. A higher contact angle on the coated surface suggests improved water repellency.

Explanation of Coating Systems:

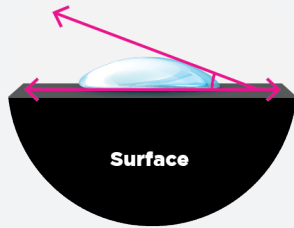
- **2K Component Systems:** These paints undergo drying through a chemical reaction that happens when two compounds, the paint and a hardener or catalyst, are mixed together. This reaction ensures a durable and long-lasting finish.
- **1K System for Reinforced Concrete:** This system provides a flexible protective coating for reinforced concrete structures, guarding them against damage from freezing-thawing cycles and exposure to carbon dioxide, which can lead to deterioration.
- **UV Systems:** UV systems utilize coatings that are designed to withstand prolonged exposure to ultraviolet (UV) radiation from the sun. They are often used for outdoor applications to prevent color fading and deterioration caused by UV rays.
- **Water-Based Systems:** These coating systems use water as a primary solvent. They are known for their low levels of volatile organic compounds (VOCs), making them environmentally friendly and often used in indoor applications.
- **Solvent-Based Systems:** Solvent-based systems use organic solvents as the primary carrier for the coating. They are known for their durability and resistance to various environmental conditions, making them suitable for outdoor and industrial applications.

Here’s Why It’s Important

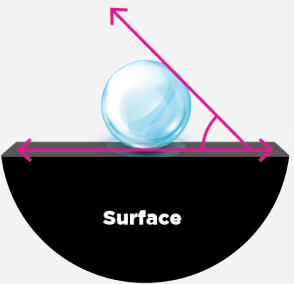
When water comes into contact with a surface, the contact angle is typically around 0 degrees. This means the water spreads out and wets the surface completely.

When STRONG is applied to a surface, it can create a water contact angle of up to 110 degrees. This indicates that the water beads up and does not spread out. It’s an indicator of the surface’s hydrophobicity.

In summary, the contact angle of water is an important indicator of a surface’s properties, including its ability to repel water, resist contamination, and reduce maintenance costs.



BEFORE TREATMENT



AFTER TREATMENT

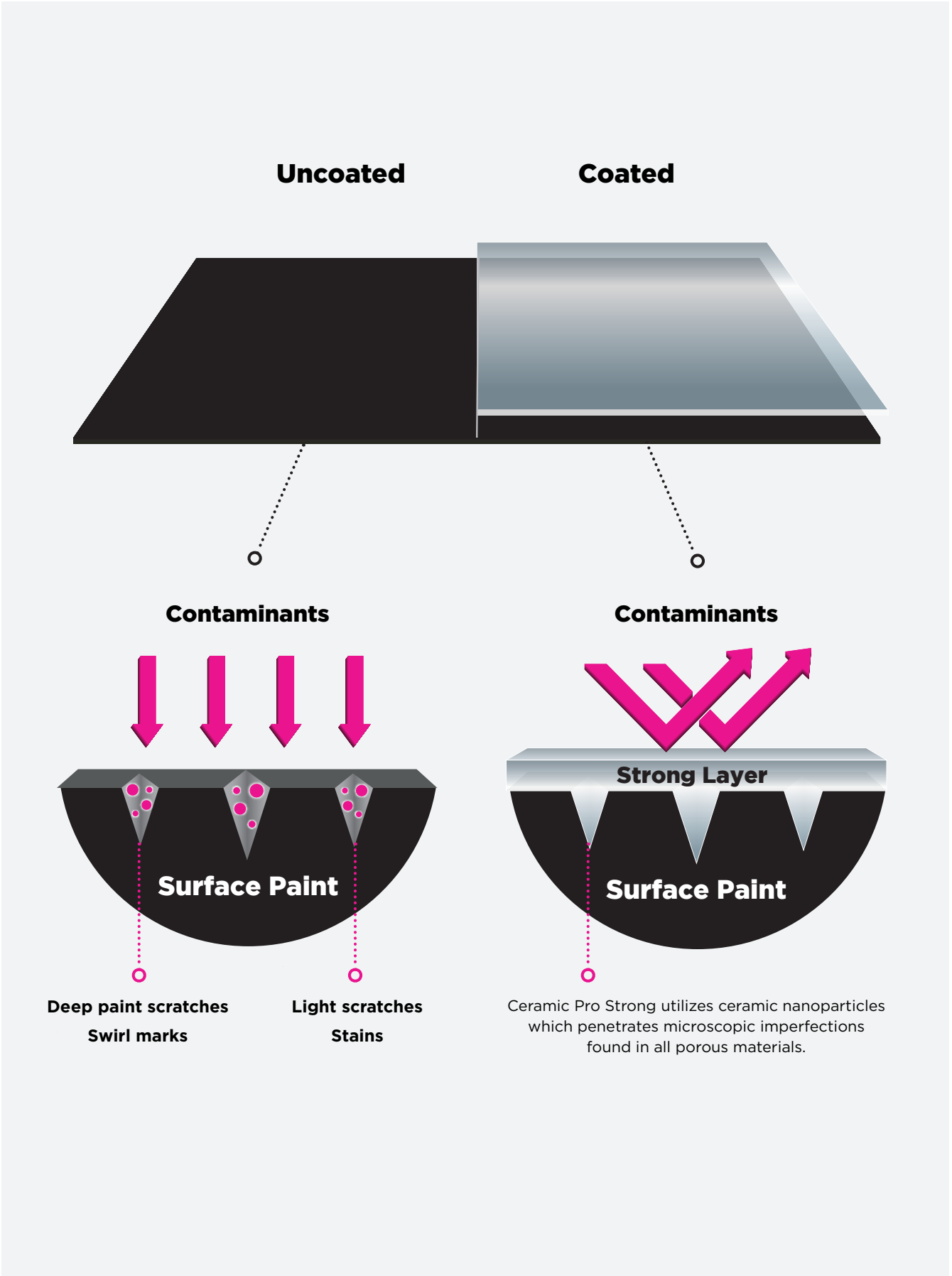
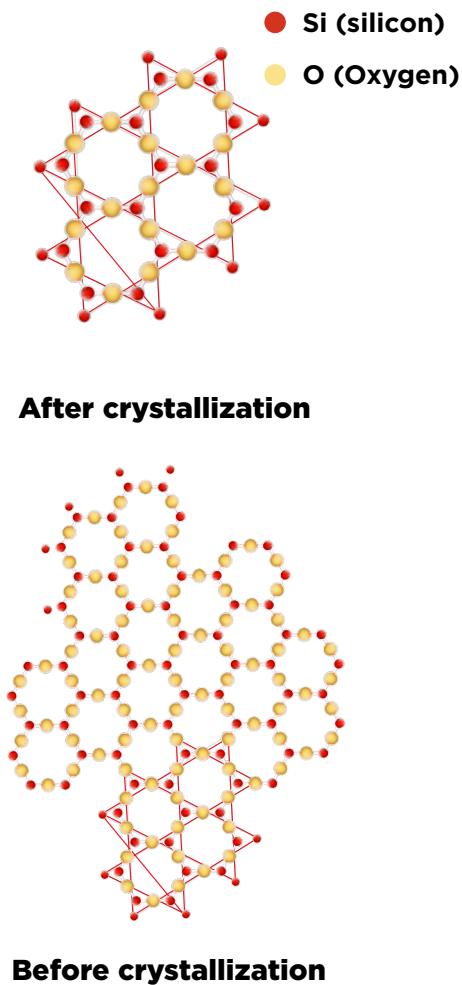
Based On Highly Advanced Technology

Ceramic Pro Strong is an innovative coating solution that incorporates cutting-edge technology to provide exceptional protection and performance for various surfaces.

Ceramic Pro coatings establish a molecular-level bond with surfaces, effectively filling even the tiniest nano-pores. This dense connection acts as a barrier, effectively preventing any external contaminants or environmental influences from coming into contact with the underlying material.

Strong contains Silica Dioxide (SiO_2), which is a hard, tiny compound. When applied, it forms a 3D matrix-shaped structure creating a glass-like protective layer on the surface.

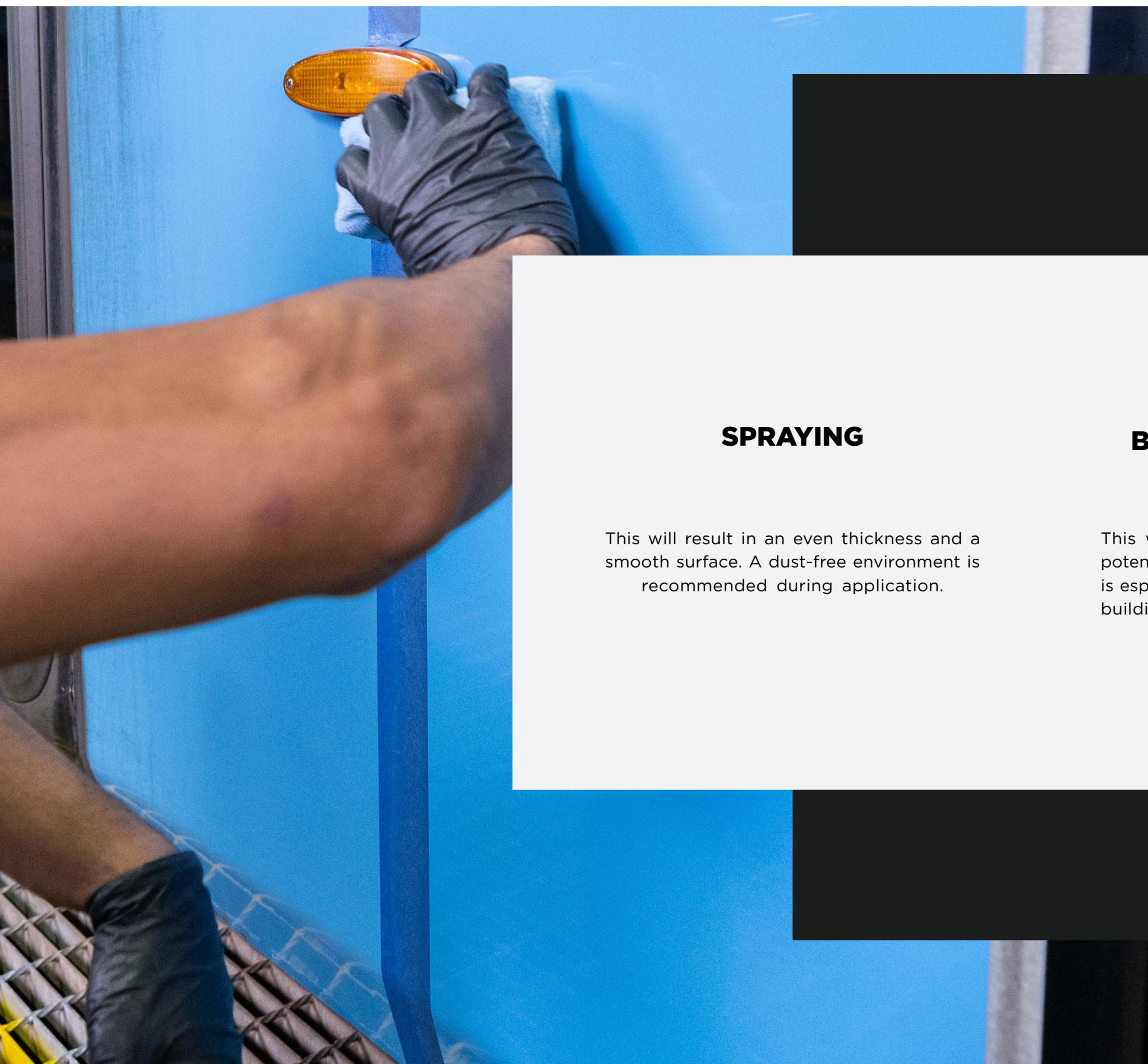
- Permanent, transparent, rigid coating and unmatched hardness
- Approved as non-toxic and friendly to the environment
- Reach and SGS certified



TEST RESULTS

Ceramic Pro Strong has been exposed to SGS test-ings. SGS is the world's largest and leading inspection, verification, testing and certification company trusted by millions.

Applications Methods



SPRAYING

This will result in an even thickness and a smooth surface. A dust-free environment is recommended during application.

BRUSHING & ROLLING

This will result in a thicker layer but can potentially leave visible streaks. This method is especially useful for applications in public buildings and areas to prevent graffiti and common vandalism.

DIPPING

This method results in the thinnest layer while still being very smooth. It is recommended to apply in a dust-free environment for optimal application.

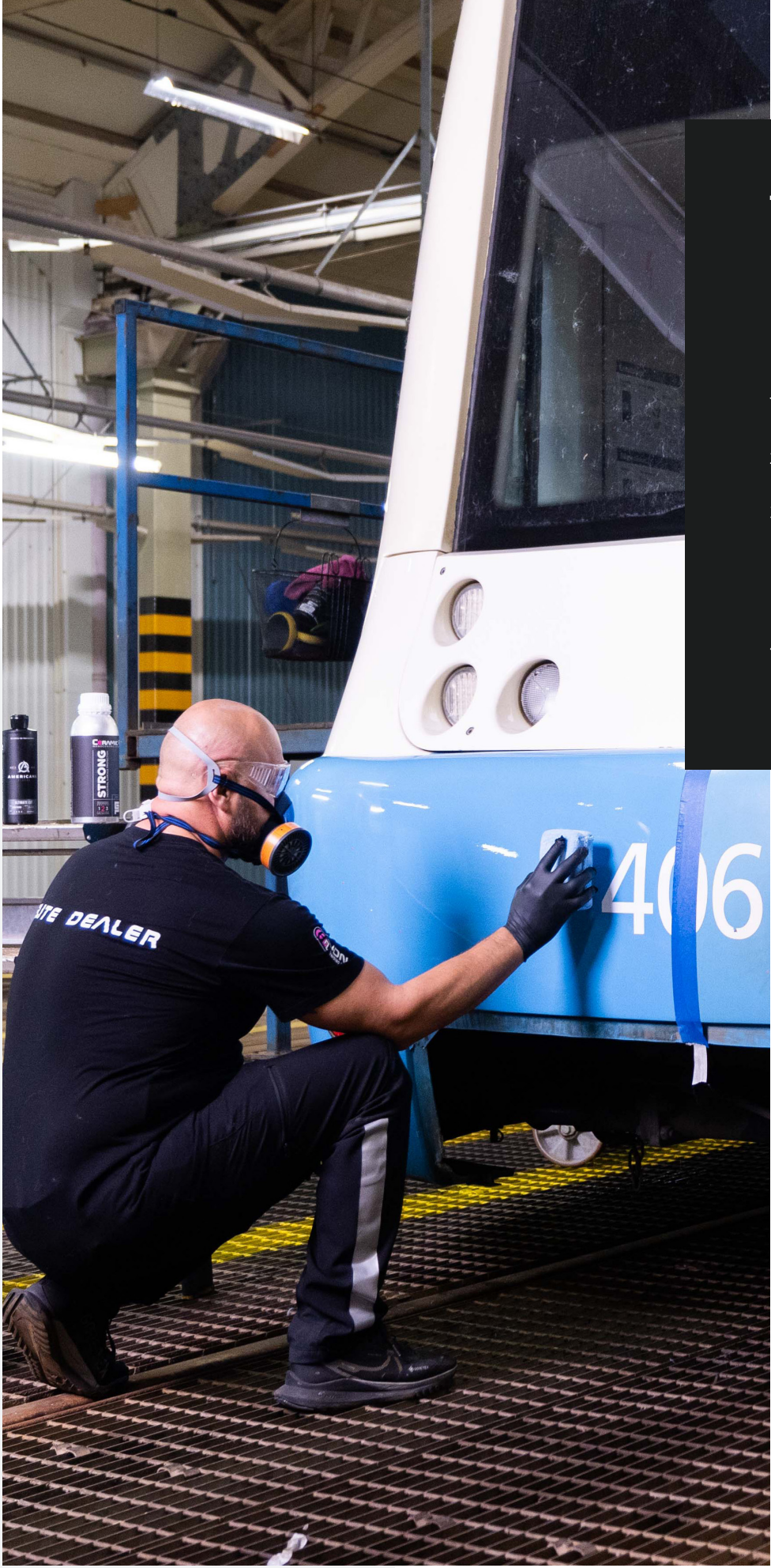
Ceramic Pro Strong Application

Preparation

Proper substrate preparation is essential to ensure optimal adhesion and performance. Follow these steps carefully:

- 1. Washing:** Thoroughly clean the surface, removing all dirt, rust, and corrosion before application. Allow it to dry completely.
- 2. Surface Preparation:** Prepare the surface to eliminate any oil, contaminants, or unwanted substances from the substrate.
- 3. Dust Removal:** Use a high-pressure air nozzle to blow away any dust from the surface, ensuring it's clean and free of particles.
- 4. Special Surfaces:** For surfaces that need to maintain a specific appearance (e.g., wheels), you can use denatured alcohol for cleaning.
- 5. Safety Gear:** Always wear safety glasses or a face shield to protect your eyes during the process.
- 6. Ventilation:** Work in a well-ventilated area to ensure proper air circulation.
- 7. Respirator:** If adequate ventilation is not available, use a respirator. Refer to the Material Safety Data Sheet (MSDS) for additional safety information.
- 8. Ceramic Pro STRONG:** Note that Ceramic Pro STRONG does not require any additives, should not be mixed with other substances, and should be shaken well before use.

By following these steps and safety precautions, you'll be better equipped to achieve the desired results when applying Ceramic Pro STRONG.



Tools For Application:

- **Bristle Brush**
Depends on the surface
 - **Brush or Foam Roller**
 - **Spray gun** (airbrush)
Suitable for larger or more complex areas
1. Ensure an even coat during application. Ceramic Pro Strong is designed to self-level for a smooth finish.
 2. If the surface is highly porous, consider applying two coats after allowing 15 to 30 minutes for the first coat to set.
 3. Be mindful of drying times:
 - Touch dry: 30 to 120 minutes.
 - Complete cure: 3 to 5 days.
 - Heat cure options: 132°C for 30 minutes or 204°C for 10 minutes.
 4. When using spray equipment like airbrushes, always clean the guns thoroughly after each use to maintain their effectiveness and prevent clogging.

Storage Information:

Ceramic Pro STRONG can be stored under standard room temperature conditions. It does not require special low-temperature storage. To maintain its integrity, store it in its original unopened container. The shelf life at room temperature is 18 months.

Safety

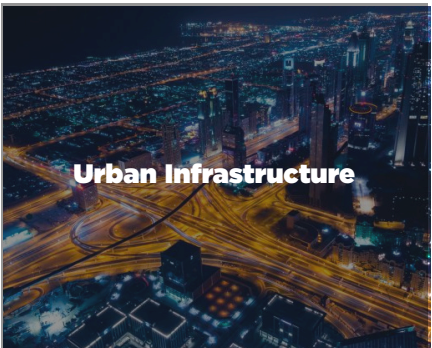
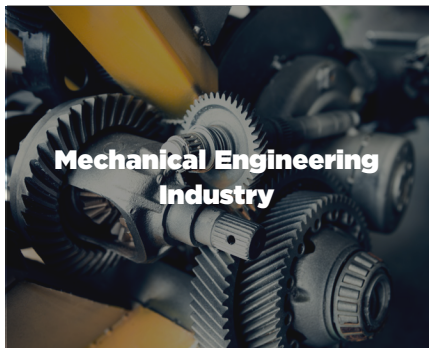
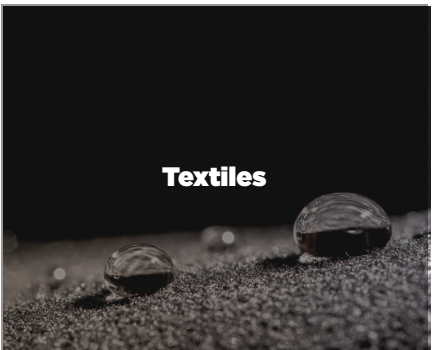
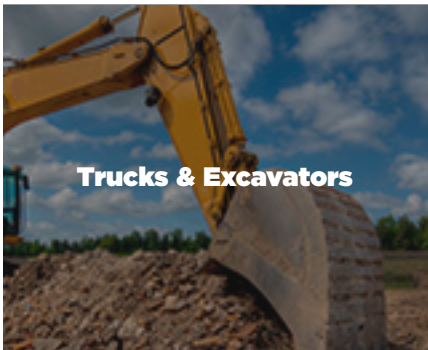
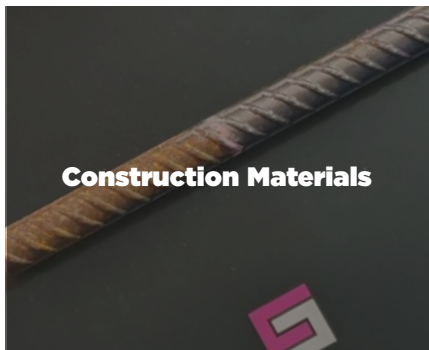
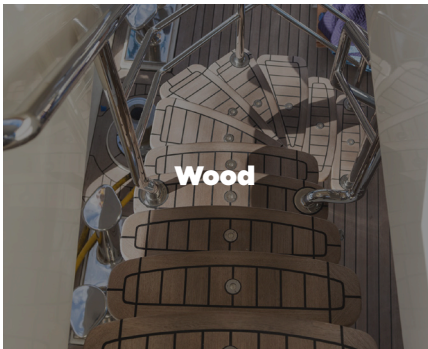
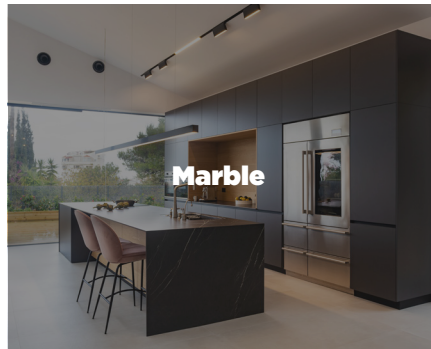
It's crucial to prioritize safety when working with Ceramic Pro STRONG. Here are the key safety precautions to follow, as indicated in the technical data sheet and safety data sheet:

1. **Thorough Review:** Carefully read both the Ceramic Pro STRONG technical data sheet and safety data sheet to fully understand the product and its safety requirements.
2. **Emergency Messages:** Pay close attention to any emergency messages or instructions provided in the data sheets. Familiarize yourself with the recommended actions in case of an emergency.
3. **Respiratory Protection:** When applying Ceramic Pro STRONG, ensure adequate respiratory protection. Options include using an air purifier or wearing an N95 mask to protect against inhalation of fumes or particles.
4. **Eye and Skin Protection:** Protect your eyes by wearing anti-splash goggles, which shield against potential splashes or spills. Additionally, wear neoprene gloves to safeguard your skin from direct contact with the product.

Safety is paramount when working with any chemical or coating product, so always adhere to the recommended safety measures and guidelines provided by the manufacturer.

Tailored Solutions for Every Industry

Whether you operate in manufacturing, transportation, energy, construction, or any other industry, our nanoceramic coatings offer tailored solutions that address your unique challenges. From machinery and equipment to structures and surfaces, we have the right coating for your needs.



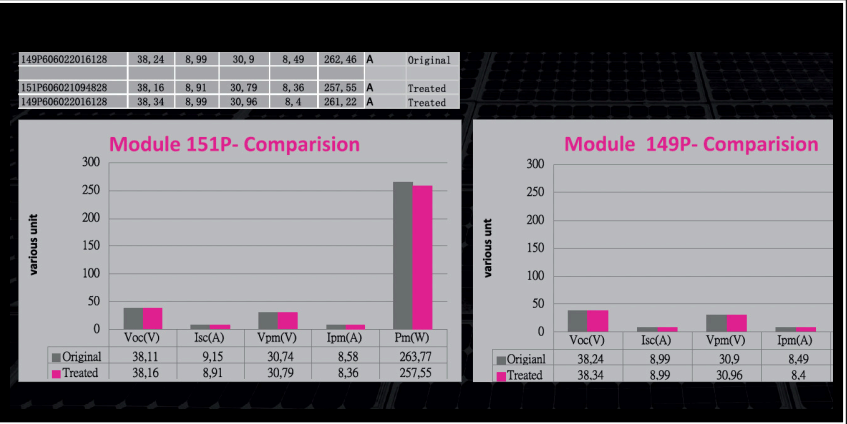
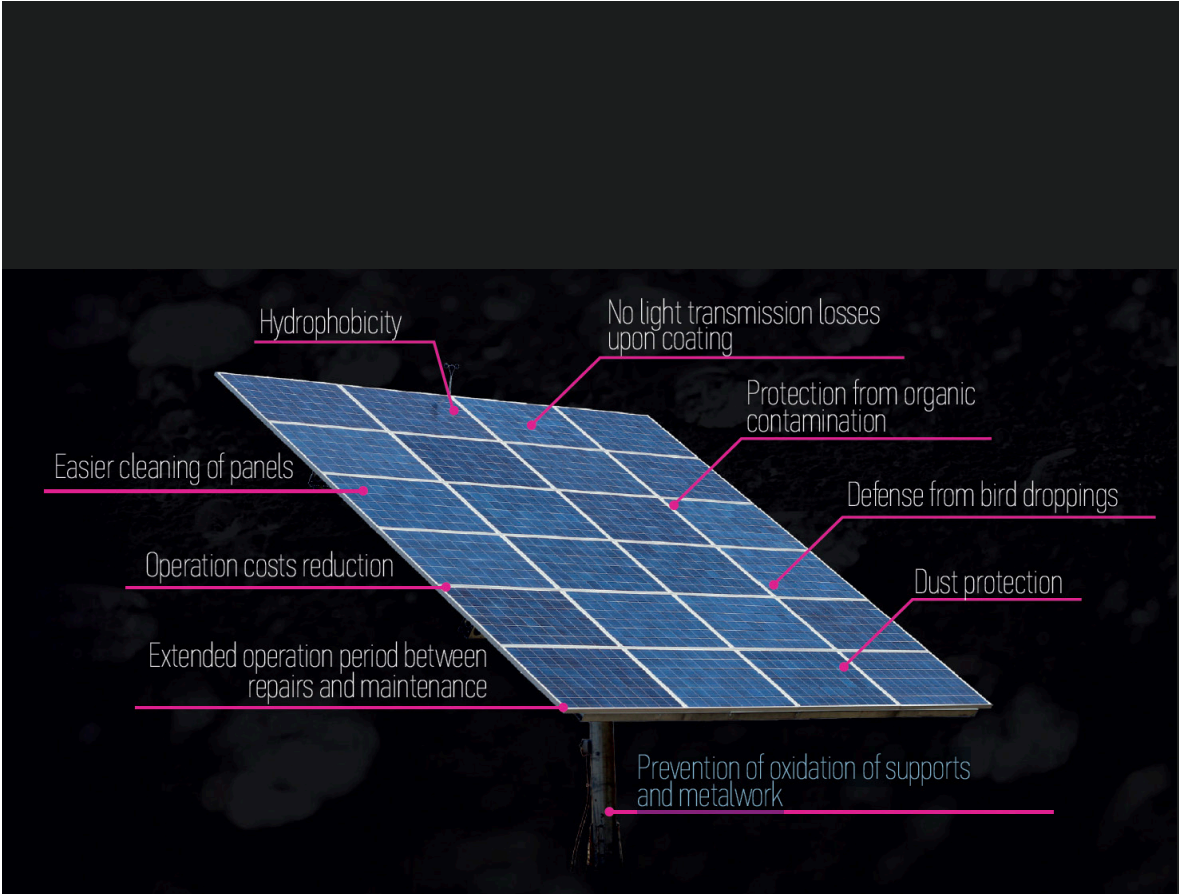
Solar Energy Panels

A solar panel functions by converting sunlight into electricity. Its power output is directly proportional to the sunlight it captures. Panels are positioned at specific angles to maximize sun exposure, which can, unfortunately, lead to the accumulation of various contaminants.

Contaminants like bird droppings, dirt, snow, dust, grass clippings, pollen, and other particles hinder the incoming light, resulting in decreased power generation. This can result in a substantial reduction in solar panel efficiency. Furthermore, contamination accelerates the degradation of solar cell crystals and the overall deterioration of the panel, eventually impacting energy output and profits.

Our hydrophobic coatings offer comprehensive protection for solar panels. They repel droppings and dust, ensuring panels stay clean. Light transmission remains unhindered, allowing for optimal energy conversion. These coatings also make panel cleaning easier, reducing maintenance efforts.

These coatings prevent oxidation, safeguarding panels, supports, and metal work. The hydrophobic properties enhance panel efficiency, longevity, and overall performance - lowering operational costs, reducing maintenance, and extending panel lifespan.

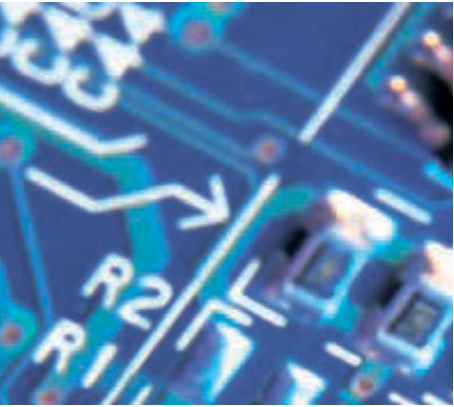
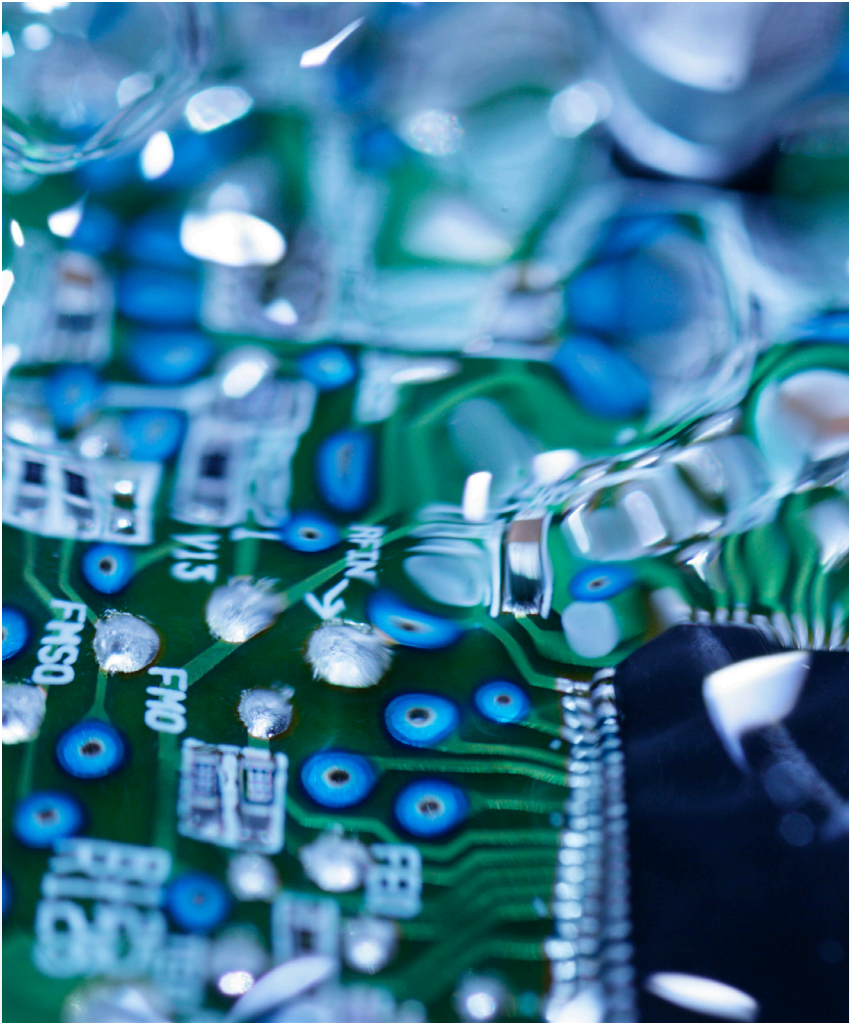
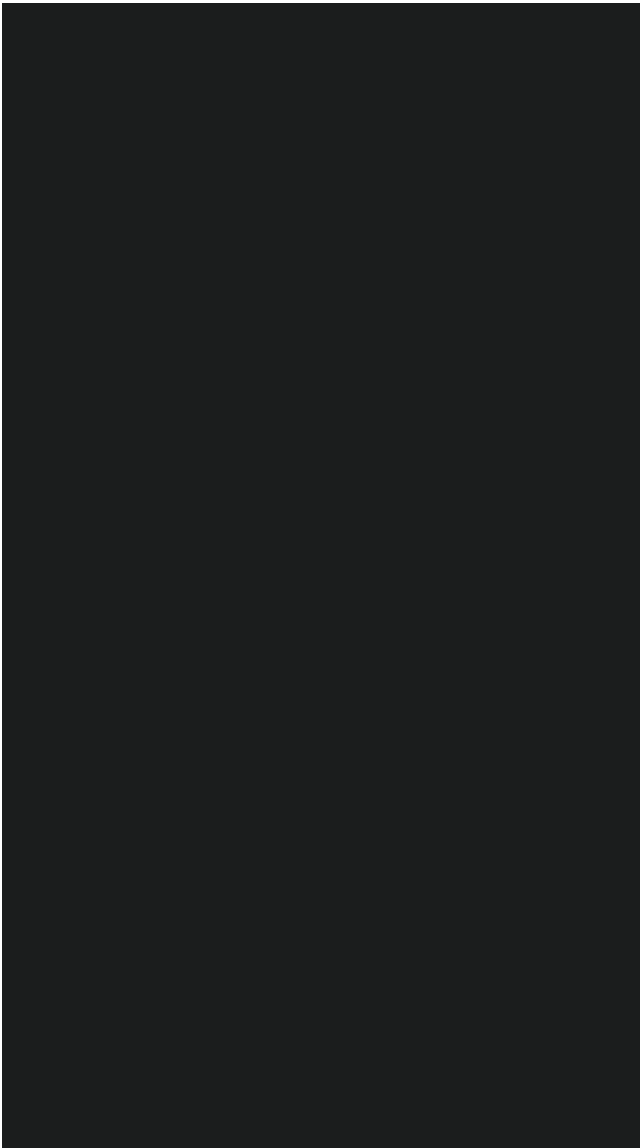


The studies have shown that KAVACA coatings do not reduce the light transmission properties of the solar panel.

Electronics

Modern life is brimming with gadgets like TVs, computers, tablets, and smartphones. While these devices enhance daily routines by providing convenience and entertainment, their delicate electronics make them vulnerable to fragility, especially from moisture and static shocks. Since these products are comprised of mixed materials, like plastic, glass, and metals, they can often end up with scratches and smudges.

Ceramic Pro coatings are the solution. They create a transparent, super-thin layer of protection for devices. With a hardness of 9H, chemical resistance, and a hydrophobic effect - our coatings act as a glass-like shield that repels moisture while fighting scratches and stains.



Computer Chip

Ceramic Pro coatings provide a vital layer of protection for computer chips, shielding them from a range of potential hazards. These coatings offer excellent thermal insulation, preventing overheating and maintaining optimal performance. They also guard against moisture and corrosive elements, ensuring longevity by reducing the risk of oxidation and damage.

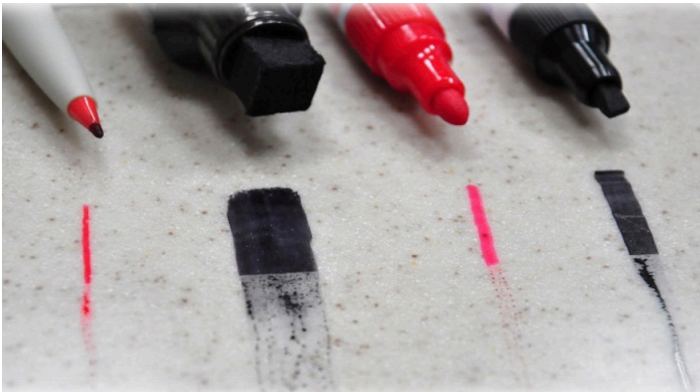
The hydrophobic and scratch-resistant properties of Ceramic Pro coatings keep dust and particles at bay, preventing potential disruptions. With their electrical insulation capabilities, they offer an additional safeguard against electrical interference and static charges. These coatings are chemically resistant, shielding chips from harmful substances. In environments with UV exposure, Ceramic Pro coatings provide defense against degradation caused by sunlight. Ultimately, by enhancing durability and reliability, Ceramic Pro coatings contribute significantly to the longevity and efficiency of computer chips in various applications.

For Public Space & Outdoor Installations

Outdoor installations, spanning fountains and sculptures to recreational setups and art, must endure and withstand the outdoor environment for long periods of time. Even stainless steel, notorious for its durability, cannot withstand these conditions unscathed.

Rain leaves behind unsightly marks and stains, further deteriorating appearances. Public spaces grapple with their own set of trials - from rain to daily wear and tear, graffiti incidents, and even intentional damage - all of this can leave behind marks and stains, further deteriorating appearances. This generates an unrelenting demand for maintenance.

Introducing - Ceramic Pro Strong, a proven solution. This coating layer effectively seals the substrate, providing protection against weathering and moisture. With a remarkable hardness rating of 9H, the coated surface gains resilience against daily abrasion, while exceptional hydrophobic properties repel graffiti attempts.



Interior & Furniture

Precision-engineered for safety, our nanoceramic solutions seamlessly integrate into indoor environments. From bustling commercial spaces to residential homes - our coatings effortlessly adapt. Ceramic Pro has engineered coatings for all substrates: stone walls and tiles, marble counter tops, appliances, sinks, bathtubs, furniture upholstery, and even curtains.

Applying a ceramic coating to a bar counter offers multiple advantages. It ensures durability against scratches, normal wear and tear, resists stains and chemicals, and promotes hygiene by inhibiting bacterial growth. The coatings enhance aesthetics with a glossy finish while providing UV protection, simplifying maintenance, and extending the counter's lifespan. Ultimately, it is a cost-effective investment that safeguards the surface appearance, functionality, and sustainability of your interior.

Strengthening Buildings and Infrastructure Against Environmental Stressors

As climate change and industrial emissions impact buildings and infrastructure, the need for resilience is paramount. Ceramic coatings emerge as a solution, offering multi-faceted protection. The coatings defend against climate extremes, graffiti, and corrosion and resist the impact of industrial emissions. With qualities like weather resistance and chemical resilience, ceramic coatings serve as guardians, enhancing the durability, aesthetics, and functionality of structures amidst a changing environment.



Protecting Public Transportation

Public transportation is vital for daily life and economic growth. A well-functioning system directly impacts productivity and offers an essential method of transportation. Rising consumer numbers lead to technical failures, delays, intentional damage, and weather exposure.

Ceramic Pro Strong revolutionized public transport protection. This innovative solution creates a transparent, glass-like shield for trains, buses, and vehicles. Its hydrophobic nature simplifies cleaning, allowing for the effortless removal of graffiti. Exceptional chemical resistance defends against acid rain and emissions. With a 9H hardness rating, surfaces remain scratch-free, reducing maintenance needs. Ceramic Pro Strong offers both protection and cost-effective enhancement for public transportation.



Vehicles & Machines

A Strong, versatile solution. To protect large vehicles, our industrial-grade solution provides absolute protection for bulldozers, tractors, pile drivers, excavators, and other kinds of engineering vehicles and devices. Ceramic Pro Strong makes them even tougher, protecting them from weathering, oxidation, fading, and corrosion. Avoid high maintenance costs and downtime for repairs with this comprehensive solution.

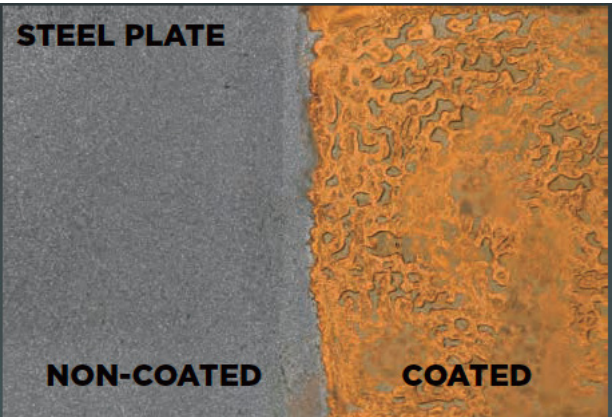


Heavy Industry and Power Plants

Heavy industry is the foundation of modern civilization, with its branches ranging from energy generation, extraction of raw materials, metal production, chemical industry, and many others. Most of the facilities and equipment are exposed to the outdoor environment and contaminants.

A smart solution for maintaining total effective equipment performance.

Protection from Ceramic Pro Strong is unmatched. It completely prevents exposure of facilities and equipment, keeping weathering and moisture at a minimum. Ceramic Pro Strong creates a resilient glass-like shield that protects against acid, harsh chemical, and emission damages. It completely prevents weathering and corrosion, allowing usage from a range of 1200 degrees to -50 degrees.





A strong & solid investment

Extended Lifespan

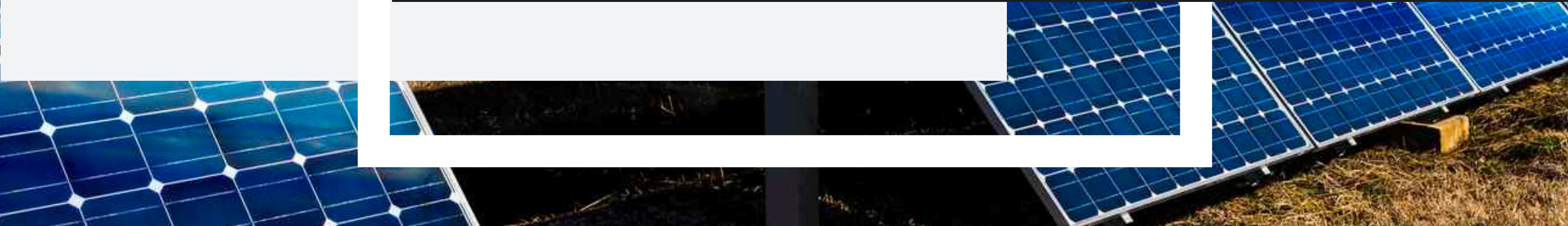
Ceramic Pro Strong confidently delivers top-notch protection to a diverse range of surfaces, from steel structures to marine vessels, facades, and more. With its highly effective coating, these surfaces gain a significant boost in durability, even in the harshest environments and frequent exposure. Trust in Ceramic Pro Strong to keep your surfaces looking and performing their best.

A Smart Investment

The nanoceramic system is an essential investment for any industry that values its expensive equipment. With its ability to protect these assets and prolong their maintenance cycle, it is a crucial financial investment.

Powerful Barrier

Experience the ultimate protection for your industrial surfaces with Ceramic Pro Strong. Our cutting-edge nanotechnology creates a resilient barrier that easily withstands solvents, acids, alkalis, UV rays, challenging weather conditions, and corrosion. Trust Ceramic Pro Strong to safeguard your surfaces and keep them looking their best.



Commitment to Quality & Excellence

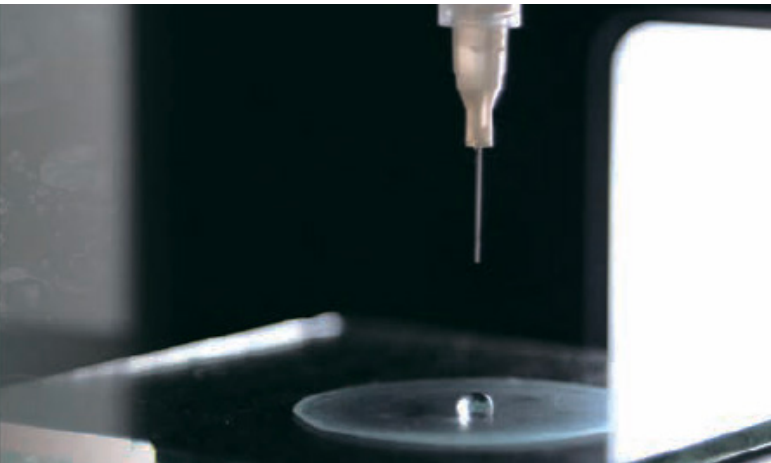
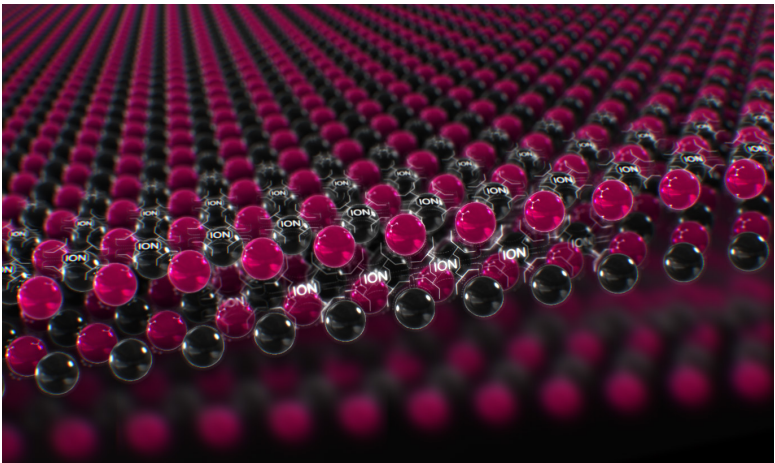


Customization

We understand that every asset has different needs. Our solutions are customizable to meet the specific requirements of your industrial assets.

Cutting-Edge Technology

We stay at the forefront of technological advancements to provide you with the latest and most effective coating solutions. Ceramic Pro coatings are always being developed and tested for new and enhanced versions to take the industry to new heights

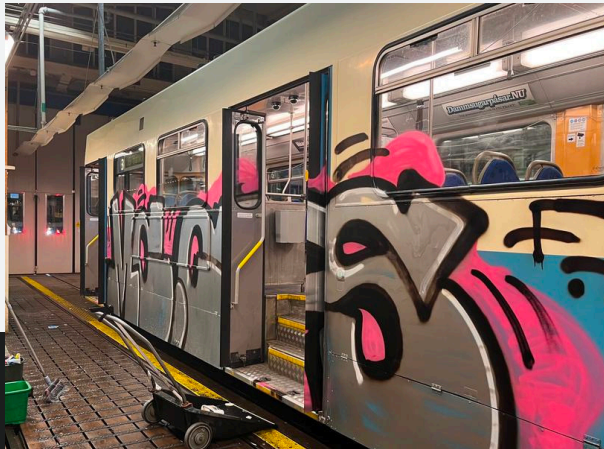
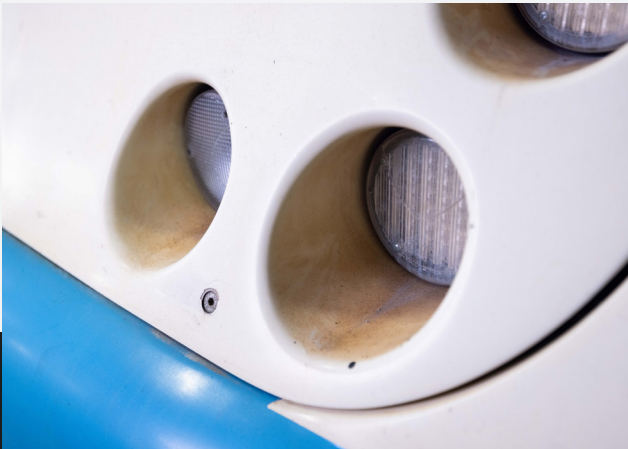
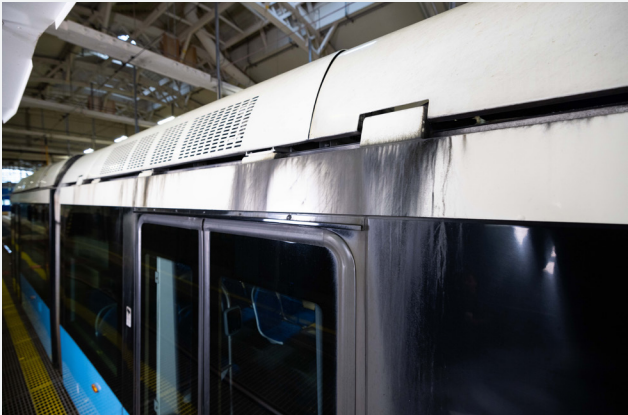


Expertise

Our team of professional bring extensive expertise in nano-technology and coatings, ensuring the highest quality application and results.

Gothenburg's Tramways

CASE STUDY



How We Helped

Gothenburg's public trams faced harsh environmental conditions that led to costly maintenance and replacements. To preserve their aesthetic appeal, the city turned to Ceramic Pro Sweden, who applied nanoceramic coatings to protect against UV rays, toxins, and graffiti. The hydrophobic properties kept the trams cleaner for longer periods, and a more eco-friendly maintenance wash program saved the city over \$300,000 annually while extending the lifespan of their trams.

GOALS FOR GOTHENBURG

- Improve traveler experience
- simplify cleaning of trams
- reduce resource usage
- minimize chemical use
- prevent debris buildup
- simplify graffiti removal



50/50 test after 6 month in traffic, before wash



Project Summary

Discover how Gothenburg is cutting costs and safeguarding the environment by applying a protective ceramic coating to their trams' exteriors. By utilizing Ceramic Pro nanoceramic technology on surfaces like glass, fiberglass, and painted areas, they can ward off common issues that lead to premature deterioration in Sweden. These issues include black soot staining caused by electrical cables striking the roof, the harsh winter weather, saltwater exposure, snow and ice accumulation, rain, graffiti and stickers, stone-throwing, road debris, as well as scuffs and scratches. With the installation of Ceramic Pro STRONG, the city can save money and reduce environmental impact in the long run.

The Result



Estimated Return Or Savings

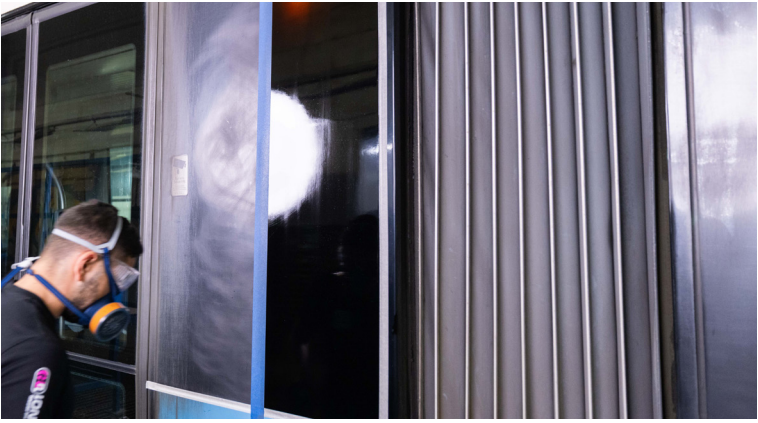
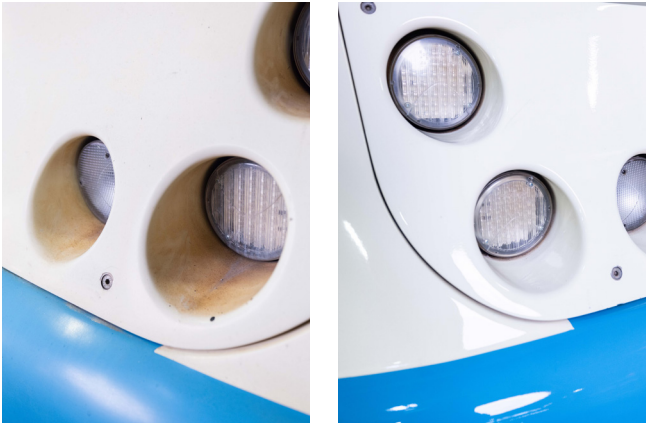
Results & Conclusion – The city of Gothenburg

INVESTMENT 3 YEAR

Trams coated every 3 years	1M Euro
The cost of changing the wash tunnel	200,000.00 Euro

ESTIMATED RETURN OR SAVINGS PER 3 YEARS:

Chemicals	\$100 000 per year
Labor	\$200 000
Water	\$50 000
Extended lifespan	\$1.2M
City image	Priceless
Environmental savings	Priceless



Scenic Gondolas & Alpine Transportation

CASE STUDY



Project Summary

Ceramic Pro Alpine addresses two primary objectives: enhancing the appearance of investments and minimizing maintenance efforts. The scenic beauty of resorts often faces damage from scratches, cuts, snow, and graffiti, leading to frustrations among maintenance staff and dissatisfaction among customers, especially when dealing with costly gondolas. Ceramic Pro, a company with a track record of protecting assets worth over \$100 billion, offers a solution. Their nano-tech products, like KAVACA® PPF, ensure long-lasting preservation of resort equipment aesthetics, reduced maintenance expenses, and extended enjoyment for up to five years after installation.

How We Helped

Ceramic Pro Alpine is the ultimate solution for enhancing the appearance of resort equipment while significantly reducing maintenance costs. Our advanced nano-tech products, featuring the revolutionary KAVACA® PPF, provide long-lasting protection for alpine windows and paint, resulting in reduced maintenance time and expenses. With our product, you can enjoy the benefits of a pristine look for over five years after installation. Trust us to deliver exceptional results that will surpass your expectations.

Goals for Gondola Protection with Ceramic Pro

- Address Sticker Adhesion Problems
- Prevent Window Scratches
- Maintain Vibrant Paint Color
- Protect Against Surface Scuffs
- Minimize Icing Issues
- Improve traveler experience
- Simplify cleaning of gondolas
- Reduce resource usage

Ceramic Pro Alpine was hired by Aspen Skiing company to restore and protect:

2021: ASPEN'S "SILVER QUEEN" 147 PCS
- 17 year old Omega III 6 person gondolas

2021: SNOWMASS' "ELK CAMP" 113 PCS
- 17 year old Omega III 8 person gondolas

260 GONDOLAS RESTORED & PROTECTED!



The Result

KAVACA & Ceramic Pro Coatings bring a multitude of benefits, including enhanced clarity, imperfection removal, and surface protection. These dynamic solutions seamlessly collaborate to revitalize and maintain surfaces, giving them a fresh, like-new appearance and feel. Consider, for instance, the Gondola’s original glass, restored to its pristine condition from the first season using KAVACA, eliminating the need for costly replacements. Thanks to Ceramic Pro’s advanced nano-ceramic technology, KAVACA enhances the overall visual appeal of surfaces it touches, effectively concealing and erasing minor imperfections on polycarbonate “glass” surfaces.

Experience the unbeatable advantages of Ceramic Pro for surface protection. Our product not only enhances clarity but also revitalizes and shields glass, plastic, and painted surfaces. Additionally, it flawlessly conceals any imperfections, minimizes upkeep, offers exceptional UV-resistance, and boasts a lifespan of over 10 years. Choose Ceramic Pro for the ultimate in surface protection.

Optically Clear Protection

Ceramic Pro’s “self-healing” KAVACA protective films in combination with Ceramic Pro 9H & Top Coat Ceramic Coatings offers the ultimate surface protection. KAVACA protective films are applied on both windows and painted frame surfaces. The combination of these two advanced surface protection products results in an improved overall look of the paint, glass, and windows. Offering protection on all surfaces against the harsh abuse of outdoor sports enthusiasts and their equipment. Ceramic Pro Alpine provides the ultimate shield of protection, along with superior protection against the Alpine UV.

Scratch Resistance

Ceramic Pro’s Protective Films KAVACA, makes cabins or gondolas easier to clean and maintain while making them resistant to scratches, oils, and chemical staining. The protective benefits of the film make the surfaces “self-healing” which means it is resistant to scuffing from day-to-day abuse from riders on doors, windows, stickers, graffiti, and vandalism.

UV & Corrosion Resistance

Abuse and exposure to the alpiners harsh elements and environment causes fading, oxidation, scuffed and marred windows that diffused light like cataracts. The elements and repetitive years of use have degraded these beautiful works of art and hindered the amazing mountain views.



BEFORE

AFTER



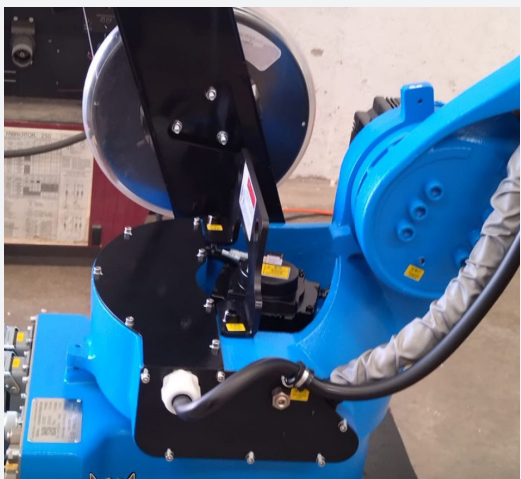
BEFORE

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Rabbit Robotics

CASE STUDY



Project Summary

Rabbit Robotics specializes in the sale, customization, and programming of robotic arms for industrial applications. To enhance the performance, durability, and market differentiation of their robotic arms, Rabbit Robotics applies Ceramic Pro Strong and Ceramic Pro Glass on their robotic arms.

The Coating Process

All robotic arms sold and customized by Rabbit Robotics are coated with two layers of Ceramic Pro Strong and one layer of Ceramic Pro Glass on the screen. This ensures superior protection against wear, corrosion, and environmental damage, which is critical for maintaining peak performance in industrial settings.

The process begins with a thorough diagnosis of the surfaces of the robotic arm, followed by surface preparation and decontamination using Americana Surface Prep. This covers all components, including hoses, couplings, and connectors, ensuring a clean surface for coating application.

Ceramic Pro Strong is applied in two layers either using a gun or airbrush (regulated between 8-10 psi and at a distance of 15-20 cm) for larger and more complex parts, or with microfiber application pads for detailed surfaces.

Ceramic Pro Glass is applied in a single layer on the programming screens to protect the glass from scratches and wear.

After application, the coatings are left to cure for 1-2 days before the robotic arms are delivered to customers, along with instructions for maintenance and care.



The Benefits

Ceramic Pro's industrial coatings provides significant advantages, including:

- **Reduced maintenance costs** by protecting surfaces from scratches, corrosion, and chemical exposure.
- **Minimized downtime** due to the enhanced durability of the robotic arms.
- **Extended longevity and sustainability**, ensuring that the robotic arms last longer even in harsh environments.
- **After-sales service** to help customers maintain the quality and performance of both the robotic arm and the applied coatings.

For existing robotic arms already in use by customers, the same preparation and coating process is followed to extend their lifespan and improve their performance.

The Ceramic Pro Advantage

Choose Ceramic Pro for unrivaled protection and preservation of your industrial assets. Improve your assets' durability, performance, and aesthetic appeal while reducing overall downtime and maintenance costs.

Ceramic Pro is the industry leader in nanoceramic coatings.



ceramicpro.com