

CARVAMP®

POWERED BY ARTEKYA NANOTECHNOLOGY







INDUSTRIAL LINE CATALOGUE

Advanced Nano Coating Solutions
for Industrial Surfaces

INDUSTRIAL SOLUTIONS OVERVIEW

CARVAMP, powered by ARTEKYA Nanotechnology, delivers advanced nano coating solutions engineered for industrial sectors and demanding surfaces. Our coatings enhance protection, performance and longevity—reducing maintenance costs and maximizing asset value across a wide range of applications and environments.

KEY BENEFITS

-  Hydrophobicity & Water Repellence
-  Easy Cleaning & Reduced Maintenance
-  Anti-Corrosion Support
-  Stain & Chemical Resistance
-  UV & Weather Resistance
-  Tailored Solutions & Technical Support

POWERED BY



ARTEKYA®
NANOTECHNOLOGY

ARTEKYA Nanotechnology is the R&D and manufacturing engine behind every CARVAMP product. Our proprietary nano-engineered formulas deliver measurable performance, long-lasting protection and superior results you can trust.



NANO
ENGINEERED



ADVANCED
PROTECTION



HIGH
PERFORMANCE



TRUSTED
TECHNOLOGY

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GLASS, CERAMIC & ADVANCED SURFACE PROTECTION

Advanced nano coatings engineered to deliver durable protection, exceptional clarity and long-term performance for demanding surfaces.



GLASSCORE

NANO COATING FOR GLASS AND CERAMIC SURFACES

SPECIFICATIONS

- Hydrophobic & water repellent
- Easy cleaning & stain resistance
- UV & weather resistance
- Anti-corrosion support
- High clarity & gloss enhancement
- Chemical & etching resistance

KEY USES

-  Architectural glass & facades
-  Ceramic tiles & sanitaryware
-  Shower enclosures & balustrades
-  Glass partitions & windows
-  Porcelain & glazed surfaces








OMNICORE

MULTI-SURFACE NANO COATING

SPECIFICATIONS

- Multi-surface nano protection
- Strong adhesion & durability
- Hydrophobic & oleophobic
- Scratch & abrasion resistance
- UV & chemical resistance
- Extends surface lifetime

KEY USES

-  Metals & painted parts
-  Industrial equipment
-  OEM components
-  Stainless steel & aluminum
-  Stone, concrete & composites








FILMCORE

FILM PROTECTIVE NANO COATING

SPECIFICATIONS

- Invisible protective film
- Self-healing & anti-marring
- Anti-graffiti & easy clean
- UV & yellowing resistance
- Dirt & dust repellent
- Long-term durability

KEY USES

-  Automotive PPF & wraps
-  Electronics & displays
-  Graphics & signage
-  Public transport surfaces
-  High-wear surface protection

TEXTILE, MINERAL, WOOD & LEATHER SOLUTIONS





SPECIALIZED PROTECTION. ADVANCED PERFORMANCE.



FABRICORE

Nano Coating for
Textile Surfaces

KEY BENEFITS

-  Liquid & stain repellency
-  UV protection
-  Color retention
-  Breathable finish

APPLICATIONS





- Upholstery & furniture
- Automotive interiors
- Outdoor fabrics
- Canvas & awnings



MINERACORE

Nano Coating for
Absorbent Mineral Surfaces

KEY BENEFITS

-  Water & oil repellency
-  Efflorescence resistance
-  Breathable protection
-  Reduces staining

APPLICATIONS

- Natural stone
- Concrete
- Terracotta
- Cement & grout



WOODCORE

Nano Coating for
Natural Wooden Surfaces

KEY BENEFITS

-  Water repellency
-  UV protection
-  Prevent cracking & warping
-  Enhances natural beauty

APPLICATIONS


- Decking & cladding
- Outdoor furniture
- Joinery & millwork
- Interior wood



LEATHERCORE

Nano Coating for
Leather Surfaces

KEY BENEFITS

-  Stain & spill resistance
-  Abrasion resistance
-  Maintains soft feel & finish
-  UV protection

APPLICATIONS

- Automotive leather
- Furniture
- Bags & accessories
- Footwear

HYGIENE, TEMPORARY FILM & PLASTIC SURFACE COATINGS

Advanced nano coatings engineered to protect, preserve and enhance hygiene, temporary surfaces and plastic materials across demanding environments.



BIOCORE

Antiviral & Antibacterial Nano Coating

Advanced nano coating that inhibits the growth of viruses and bacteria on surfaces, delivering long-lasting antimicrobial protection.

-  Antiviral & Antibacterial Protection
-  Reduces Microbial Contamination
-  Long-Lasting Surface Hygiene
-  Safe, Non-Toxic & Residue-Free

SURFACE COMPATIBILITY

- Metals
- Plastics
- Glass
- Painted Surfaces
- Ceramic & Composites



TEMPFILM

Temporary Film Coating

Creates a durable temporary protective film that shields surfaces from dust, scratches, stains and construction residue. Easy to apply and remove without leaving marks.

-  Protects Against Scratches, Stains & Dust
-  Temporary & Easy to Remove
-  Leaves No Residue After Removal
-  Quick Application, Short-Term Protection

SURFACE COMPATIBILITY

- Glass
- Metals
- Stone & Tiles
- Plastic & Laminates
- Painted Surfaces



POLYCORE

Nano Coating for Plastic & Painted Surfaces

Enhances the durability and appearance of plastic and painted surfaces with hydrophobic protection, UV resistance and long-lasting gloss.

-  Enhances Durability & UV Resistance
-  Hydrophobic & Easy to Clean
-  Restores Gloss & Color Depth
-  Resists Fading, Yellowing & Oxidation

SURFACE COMPATIBILITY

- Plastic (ABS, PC, PVC, etc.)
- Painted Surfaces
- Polycarbonate
- Acrylic
- Composites

SPECIALTY PROTECTION SOLUTIONS

Advanced nano coatings engineered to deliver purpose-built protection and long-term performance in demanding industrial environments.



METALCORE

Anti-Corrosion Nano Coating for Metal Surfaces

METALCORE forms a durable nano-scale barrier that protects metal surfaces from rust, oxidation and harsh chemicals. Ideal for industrial assets exposed to aggressive environments.

KEY BENEFITS

- 
Corrosion Resistance
- 
Chemical Resistance
- 
High Temp. Stability
- 
Long-Term Durability
- 
Low Maintenance

TECHNICAL SUMMARY

Technology	Sol-Gel Nanotechnology
Appearance	Clear Liquid
pH	2.0 - 3.0
Solids Content	15% ± 2%
Coverage	40 - 60 m ² /L
Cure Time	12 - 24 Hours
Durability	Up to 5 Years
Recommended Use	Metal Surfaces




GRAFFISHIELD

Anti-Graffiti Nano Coating for Various Surfaces

GRAFFISHIELD creates a sacrificial nano barrier that prevents paint and marker adhesion, enabling easy removal without damaging the underlying surface.

KEY BENEFITS

- 
Graffiti Resistance
- 
Easy Clean
- 
Non-Porous Barrier
- 
UV & Color Stable
- 
Wide Surface Compatibility

TECHNICAL SUMMARY

Technology	Sol-Gel Nanotechnology
Appearance	Clear Liquid
pH	2.5 - 3.5
Solids Content	12% ± 2%
Coverage	30 - 50 m ² /L
Cure Time	6 - 12 Hours
Durability	Up to 3 Years
Recommended Use	Various Surfaces



HYDROSHIELD

Superhydrophobic Nano Coating for Various Surfaces

HYDROSHIELD delivers extreme water repellency, causing water, dirt and contaminants to bead and roll off. Helps keep surfaces cleaner and drier for longer.

KEY BENEFITS

- 
Water Repellency
- 
Dirt & Stain Resistance
- 
Surface Protection
- 
UV Resistance
- 
Eco Friendly

TECHNICAL SUMMARY

Technology	Sol-Gel Nanotechnology
Appearance	Clear Liquid
pH	3.0 - 4.0
Solids Content	10% ± 2%
Coverage	20 - 40 m ² /L
Cure Time	4 - 8 Hours
Durability	Up to 3 Years
Recommended Use	Various Surfaces

SOLAR PANEL COATING SOLUTIONS

Advanced nano coatings engineered to enhance performance, protect surfaces and extend the lifespan of solar panels in all environments.

SOLARCORE GC

NANO COATING FOR TEMPERED GLASS SOLAR PANELS

Hydrophobic nano coating engineered for tempered glass solar panels. Improves efficiency, reduces soiling and protects against harsh environmental conditions.



KEY BENEFITS



Hydrophobic Protection



Reduced Soiling



UV & Weather Resistance



Long-Term Durability

SOLARCORE FC

NANO COATING FOR ALL GLASS AND OTHER SOLAR PANELS

Versatile nano coating formulated for all glass and other solar panel types. Enhances performance and provides durable protection in any climate.



KEY BENEFITS



Hydrophobic Protection







Reduced Soiling



UV & Weather Resistance



Long-Term Durability

FEATURE	SOLARCORE GC	SOLARCORE FC
DESIGNED FOR	Tempered glass solar panels	All glass and other solar panel types
BEST FOR	Rooftop and utility-scale installations with tempered glass	All-glass modules, flexible panels and mixed-material systems
APPLICATION METHOD	 Spray & Wipe  Polish	 Spray & Wipe  Polish

SOLAR PANEL CLEANING & PREPARATION

SolarWash | SolarPure



SOLARWASH

Nano Detergent for Solar Panels

SOLARWASH is a pH-neutral nano detergent formulated for routine cleaning of solar panels. It effectively lifts dust, grime, bird droppings and organic residues without leaving streaks or water spots. Suitable for all panel types and safe for frequent use.



KEY BENEFITS

- pH-neutral & safe
- Dissolves dirt & grime
- Streak-free finish
- No residue
- Suitable for all solar panels



BENEFIT OUTCOMES

- Maintains peak performance
- Prolongs panel lifespan
- Enhances light transmission
- Improves energy efficiency



IDEAL FOR REGULAR MAINTENANCE CLEANING

Use SolarWash for routine cleaning to maintain optimal performance and efficiency of solar panels.



SOLARPURE

Pre-Cleaner for Solar Panels

SOLARPURE is a powerful pre-cleaner designed to remove stubborn contaminants, oils, and residues that hinder coating adhesion. It prepares the surface to ensure maximum bonding and long-term durability of nano coatings.



KEY BENEFITS

- Strong cleaning action
- Removes oils & residues
- Enhances coating adhesion
- Fast acting & easy to use
- Suitable for all solar panels



BENEFIT OUTCOMES

- Optimal surface preparation
- Superior coating performance
- Long-lasting protection
- Maximum energy output



PREPARE FOR PROTECTION

Use SolarPure before applying nano coatings to ensure maximum adhesion and durability.



RECOMMENDED APPLICATION WORKFLOW



01 RINSE LOOSE DIRT

Rinse the panel surface with water to remove loose dust and debris.



02 APPLY SOLARWASH

Spray or apply SolarWash evenly. Agitate gently if needed.



03 RINSE THOROUGHLY

Rinse with clean water until all residue is removed.



04 APPLY SOLARPURE

Apply SolarPure to clean and prepare the surface. Wipe or rinse.



05 READY FOR COATING

Allow surface to dry completely before applying nano coating.



PRO TIP

Use SolarWash for regular cleaning and SolarPure as the final preparation step before coating for the best results.

PRODUCT SPECIFICATION MATRIX

PRODUCT		PRIMARY SURFACE / USE	KEY FEATURE	APPLICATION METHOD	PRODUCT FAMILY
	GLASSCORE	Glass & ceramic surfaces	Hydrophobic, stain resistant, clarity enhancing	 Spray & wipe	PROTECTION
	OMNICORE	Multi-surface (all materials)	Universal nano protection, easy maintenance	 Spray & wipe	PROTECTION
	FILMCORE	Protective films & wraps	Invisible protection, scratch & UV resistant	 Spray & wipe	PROTECTION
	FABRICORE	Textile & fabric surfaces	Stain & water repellent, breathable	 Spray & wipe	PROTECTION
	MINERACORE	Natural stone & concrete	Water & oil repellent, reduces efflorescence	 Spray & wipe	PROTECTION
	WOODCORE	Wood & engineered timber	Water repellent, UV protection, enhances natural beauty	 Spray & wipe	PROTECTION
	LEATHERCORE	Leather & synthetic leather	Stain & spill resistant, maintains soft feel	 Spray & wipe	PROTECTION
	METALCORE	Metal & alloy surfaces	Corrosion resistance, anti-oxidation	 Spray & wipe	PROTECTION
	GRAFISHIELD	Anti-graffiti protection	Anti-graffiti, easy removal without damaging surface	 Spray & wipe	PROTECTION
	HYDROSHIELD	All surfaces (water repellency)	Extreme water repellency, reduces dirt adhesion	 Spray & wipe	PROTECTION
	BIOCORE	High-touch & hygiene-critical surfaces	Antiviral & antibacterial, reduces microbes	 Spray & wipe	HYGIENE
	TEMPFILM	Temporary surface protection	Protects against scratches, dust & damage	 Apply film & smooth	PROTECTION
	POLYCORE	Plastic & painted plastics	UV resistant, anti-static, enhances durability	 Spray & wipe	PROTECTION
	SOLARCORE GC	Tempered glass solar panels	Maximizes efficiency, reduces soiling	 Spray & wipe	SOLAR
	SOLARCORE FC	All glass & other solar panels	Maximizes efficiency, all-conditions protection	 Spray & wipe	SOLAR
	SOLARWASH	Solar panels (pre-cleaning)	Loosens dirt, dust & residues, improves adhesion	 Spray on & rinse	SOLAR CARE
	SOLARPURE	Solar panels (maintenance)	Removes residues, restores clarity & efficiency	 Wipe or spray & wipe	SOLAR CARE

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INDUSTRIAL SURFACE PROTECTION, ENGINEERED FOR PERFORMANCE.



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All sales, partnership and technical
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