

# WARRIOR™ AQUAPERL SURFACE SHIELD

## ANTIVIRAL / ANTIMICROBIAL COATING

Warrior™ AquaPerl Surface Shield is an antiviral/antimicrobial coating developed by Reinste Nano Ventures Pvt. Ltd. Using Nano silver technology, this coating is capable of killing up to 99.9% (as per test result for non-absorbent surface ISO:22196:2011) microbes on any internal glass, ceramic and polished stone surface.

Warrior™ AquaPerl Surface Shield works as a protective layer with less than 100-nm thickness and gives antiviral, antimicrobial, anti-stain, and anti-fingerprint properties once applied.

Warrior™ AquaPerl Surface Shield is a superhydrophobic coating that has a robust defense against the build-up of limescale, urine staining and soap scum. This coating is best suited for automotive glass and inside building protection due to its easy-clean and dirt-repellent properties.

### How Warrior™ AquaPerl Surface Shield is unique?

Warrior™ AquaPerl Surface Shield is transparent, UV-stable, exceptionally durable and chemically inert coating. The coating has both hydrophobic and oleophobic properties. The coating will not come off or peel and will stay is unaffected by extreme temperatures.

The ability of the permanent chemical bond provides excellent weathering and outstanding mechanical and chemical abrasion resistance.



Coatings are available in 1Ltr, 5 Ltr and 20 Ltr pack sizes.

#Pictures are for the representation purpose only.



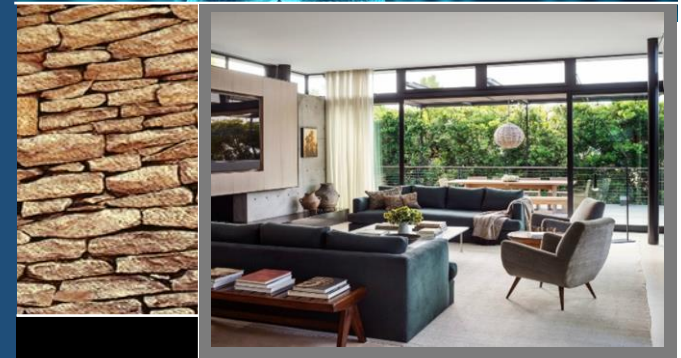
## Tests Conducted and Passed

- **Antiviral Test for non absorbent surfaces as per ISO: 21702 (99.99% SARS CoV-2 virus neutralization achieved)**
- **Antibacterial Test for non absorbent surfaces as per ISO:22196:2011 (99.9% bacterial kill efficiency® achieved)**

## Antiviral /Antimicrobial Specifications

- Backed by Superior Ag<sup>+</sup> technology
- Inhibits the growth of virus, bacteria and microbes.
- Nanosilver technology has also proven effective against SARS-CoV-2 viruse.
- Active Silver particles can be integrated homogeneously into all substrates as easily as usual dye pigments.
- Ag<sup>+</sup> technology does not contain any unnecessary filler & is processable at high temperatures as the stability of the Ag particles are excellent even at temperatures above 300°C.
- AgPURE™ Silver is non-toxic to humans and animals.

**DISCLAIMER:** This is not a medical device & for use only as a paint/ coating, does not guarantee against infections and is not a cure.



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@ As per test Certificate no. D200523008/D200523008-1 dated 02-Jun-2020 as per ISO:22196:2011 from Spectro Analytical Labs Ltd..

## Key Features of Warrior™ AquaPerl Surface Shield

- **Broad spectrum antiviral/antimicrobial action**
- **Hydrophobic & slight oleophobic**
- **Good resistance to chemicals & polluted environments**
- **Dirt repellent and easy to clean.**
- **Outstanding mechanical and chemical abrasion resistance**
- **Extreme temperature resistance**
- **Excellent color & gloss retention**
- **Excellent Scratch protection**
- **Good UV-protection**
- **Extremely durable**
- **Perfect finish**
- **Easy-to-apply**



### Instruction for application

- Wear gloves and goggles
- Shake well before use.
- Spray the ready-to-use Warrior™ AquaPerl Surface Shield on the dry dirt free surface.
- After applying, wipe with a microfiber cloth, till no streak left and surface becomes completely dry.
- Leave surface for 24 h for curing.
- For more details please refer to the "**Application instruction document & TDS**".

### Reinste Nano Ventures

- Warrior™ AquaPerl Surface Shield is a finished product manufactured and marketed by Reinste Nano Ventures Pvt Ltd.
- Reinste is the manufacturer, importer, distributor, supplier of nanomaterials & superior Nanotechnology based Products since 2006.
- At Reinste Nano Ventures, we ardently believe that innovation and differentiation are the fundamental components of growth and enlightenment.

#@<http://hiyka.com/sanitation-services/>

## Application Areas

### Home, Hotels and Offices

Warrior™ AquaPerl Surface Shield provides long-lasting antiviral/antimicrobial effect on different surfaces. This coating is best suited for the indoor surfaces constructed with glass, ceramic and stone for its excellent weathering and outstanding mechanical and chemical abrasion resistance properties. AquaPerl Surface Shield also provides protection from hand and finger stains on structured surfaces such as reception desk, stainless steel surfaces.

### Automobile, solar panel and Building Protection

Using vehicles always carries risks – damage occurs regularly. Our Warrior™ AquaPerl Surface Shield coating provides a solution for this.

- Protection of vehicle's indoor body against microbes, scratches, dirt and aging.
- Resistance against corrosion inside the buildings.
- Warrior™ AquaPerl Surface Shield coating for automobile are DIY(Do it yourself). They can be easily done by following the simple instructions provided.

### Aviation, Marine and Metro

Warrior™ AquaPerl Surface Shield provides reliable protection against microbes along with any kind of damage on a high glass and ceramic surfaces in marine, metro and aviation. When companies or government invested in these sectors they look for the best performance in every condition, the coating provides that protection with the weathering and chemical stability.

- Provides scratch resistant surfaces
- Corrosion resistance for metal surfaces.
- It provides anti-wear and tear property for decorative elements.
- Facilitates easy cleaning dirt or water residues.



Product Name	Base Coating	Product Codes	Antiviral/ Antimicrobial Variants	Coverage (sq ft/ lt)	Pack Size(ft)	Area	Application surfaces	MRP (for L grade)
Warrior™ AquaPerl Surface Shield	Silica Based Solvent dispersion coating	RN-EPW3-L	● Slight	1500-2000	1	Internal/ External	All Glass, Ceramic and polished natural Stone	28800/-
		RN-EPW3-M	● Significant		5			129600/-
		RN-EPW3-H	● Strong		20			460800/-