

WARRIOR™ UNIVERSAL SURFACE SHIELD ANTIVIRAL/ ANTIMICROBIAL COATING

The surfaces which are in regular contact with people have to be made free from microbes. Warrior™ antiviral/antimicrobial coatings developed by Reinste Nano Ventures is a long lasting solution for making surfaces free from viruses and microbes. Universal surface shield antiviral/antimicrobial coating provides a shield and protects from viruses, bacterial and fungal exposures.

Proven by Research and International Standards

Research indicates that bacteria develop resistance against various types of antibacterial products, but with the use of nanosilver technology this can be avoided as microbes can't develop resistance against silver thus the products developed with the help of active silver technology can provide us long lasting protection to us without developing resistance against microbes. The efficacy of antimicrobial ingredient used to develop coatings can be verified by means of microbiological tests. Nanosilver is certified according to international standards.

- ISO 22196:2007, JIS L1902:2002,
- DIN EN ISO 20743:2007-10
- SN 195921, ASTM G21 96, JIS Z 2911:1992
- Silver Leaching: 10993: 2002-17



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)**

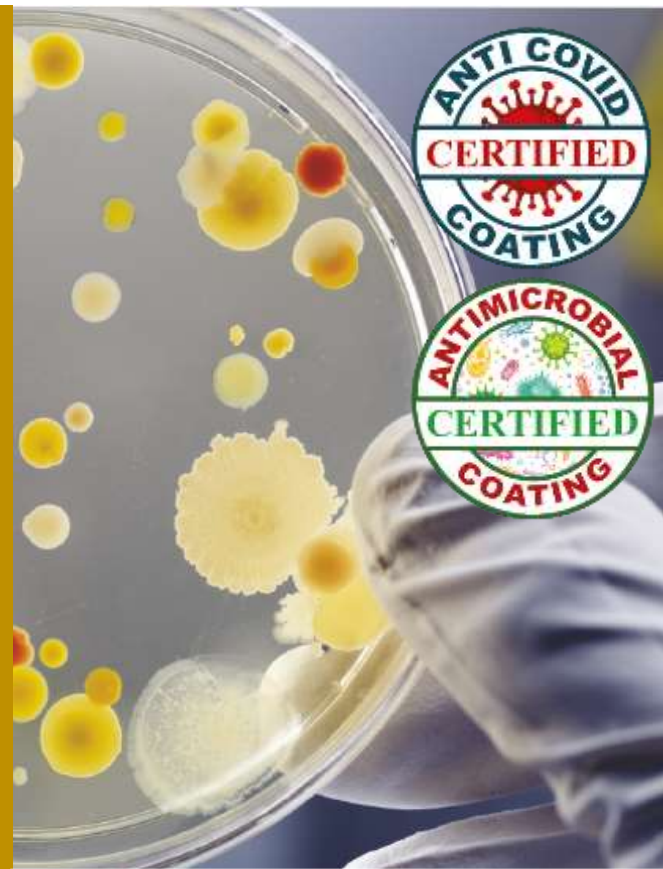
Antiviral /Antimicrobial Specifications

- Backed by Superior Ag⁺ 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⁺ 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 Limited.

Key Features of Warrior™ Universal Surface Shield

- **Broad spectrum antiviral and antimicrobial action**
- **Hydrophobic**
- **Anti-static, less build-up of dust and dirt**
- **Quick and easy application**
- **Easier and faster cleaning**
- **Excellent color & gloss retention**
- **Tough, abrasion, resistant top coat**
- **Scratch resistance**
- **Smooth finish with gloss**
- **Easy2clean**
- **Good Durability**



Instruction for application

- Wear gloves while using this product.
- Clean the surface to make it ready for the coating.
- Mix component A and component B together and stir it well for 10 minutes. Use thinner for achieving proper viscosity.
- Pour the mixture in a wide mouth container.
- Use a paint brush or roller to apply it on the surface.
- Let it dry for 24 hours for curing.
- Use the mix with in stipulated time given in the instructions document.
- For more details please refer to the "**Application instruction document**".

Reinste Nano Ventures

- Warrior™ Universal 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.

Application Areas

Home

Warrior™ Universal Surface Shield can be applied on various surfaces, makes that surface antiviral/ anti-microbial for long time. This coating can be used to home furniture, kitchen surface, home wall, window and water taps and

Office

Warrior™ Universal Surface Shield is the best solution to make your workplace safe to work. This coating provides protecting layer on plastics surfaces (tables, chairs, delivery box and packets), Glass surfaces (windows, glass tables, mirrors), Metal surfaces (stairway railings, gates, door handles), Ceramics and various other surfaces (elevator buttons, switches, knobs).



Gadget

As per researchers, more than 80% of infectious diseases spread just by a touch. To prevent such situations, the Micro Shield can be applied to all the personal gadgets such as laptops, phones, remotes, sports equipment, keys etc. with a liquid glass shield coating, surfaces are also protected against micro-scratches and dirt.

Retail Store

Retail outlets are the most frequently visited place which is high on risk, so they demand antiviral/ antimicrobial coating to make every asset germ free and hence Warrior™ Universal Surface Shield serves the right solutions for them. This coating can be applied on doors handles, Luggage trolleys,



Transportation

The coating developed with active silver is the permanent solution for the deadly viruses, microbes and the diseases caused by bacteria, fungi etc. Warrior™ Universal Surface Shield provides antiviral/ antimicrobial protection with high durability in transport vehicles and systems including cars, trains, buses, airplanes and marine vehicles. The coating can be applied on all these surfaces aspect textile material is used in vehicles, i.e. seats, flooring, roof, steering wheel, window glass and door etc. The term automobile surfaces mean all types of metals, glass, ceramic, wood, stone and plastics used in automobiles.



| Product Name | Base Coating | Product Codes | Antiviral/ Antimicrobial Variants | Coverage (sq ft/ lt) | Pack Size(lt) | Area | MRP (for L grade) |
|-----------------------------------|---------------------------------|---------------|-----------------------------------|----------------------|---------------|--------------------|-------------------|
| Warrior™ Universal Surface Shield | Polyurethane based base coating | RN-PW3-L | ● Slight | 150- 200 | 1 | Internal/ External | 14400/- |
| | | RN-PW3-M | ● Significant | | 5 | | 64800/- |
| | | RN-PW3-H | ● Strong | | 20 | | 230400/- |