



TECHNICAL DATA SHEET

WARRIOR™ MICROBIAL Ag⁺ SHIELD

Description

Warrior™ Microbial Ag⁺ Shield is an antiviral product developed by Reinste Nano Ventures Pvt. Ltd. Using Nano silver technology, this product is capable of killing up to 99.9% viruses (**as per antiviral test for non absorbent surfaces as per ISO: 21702**) on **any internal non-absorbent solid surface (except fabric, leather and metal)**. The tried and tested nano silver technology helps in not only tackling bacteria and fungus, but also helps in fighting viral spread and growth. Its high coverage area per litre and durability over time makes it a better coating than any other product.

Application Areas

It can cover a plethora of **non-absorbent solid surfaces** (best suited for internal surfaces) making it useful in various application areas like:

- 1) Plastics (Tables, chairs, delivery box and packets)
- 2) Glass surfaces (windows, glass tables, mirrors)
- 3) Wooden surfaces (doors, window frames, wooden tables)
- 4) Ceramics and various other surfaces (elevator buttons, switches, knobs)

Benefits

Along with a strong antiviral property, it also provides additional benefits like:

- 1) Hydrophobicity
- 2) Longer durability time
- 3) Dirt repellent
- 4) Easy application
- 5) Variety of internal surfaces covered with one product
- 6) Smooth finish

Product Description

Product Code :	RN-AW3
Product Variants :	RN-AW3-L (Slight grade) RN-AW3-M (Significant grade) RN-AW3-H (Strong grade)
Composition :	Acrylic based base coating along with active silver as an antiviral agent.
Shelf life :	2 years from day of order
Theoretical Coverage :	150-200 sq.ft. /L
Packs Available:	1L, 5L and 20L



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Technical information

Appearance :	Transparent
Odour :	Characteristic
Specific gravity :	1.39
Volatility description :	Volatile.
Solubility :	Insoluble in water
Relative density :	0.780-0.900 @ 20°C (68°F)
Vapour pressure :	0.87 kPa @ 25°C(77°F)
Flash point (°C) :	<0 (32°F) CC (Closed cup).
Auto ignition temperature :	(410/550°C (770/1022°F)
Stability :	Stable under normal temperature conditions.
Conditions to avoid :	Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.
Materials to avoid :	Powdered metal. Alkali metals. Alkali earth metals

Application

Pre-Cleaning steps

- Recommended to use gloves while using this product.
- Clean the surface and make it dry and dirt free.
- Shake the coating well before use.

Coating Application steps

MANUAL AND INDUSTRIAL APPLICATION

- The coating is easy to handle and simple do-it-yourself application makes it easier for end customers to apply it.
- 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.

Note: Drying and ageing Times time is subject to proper conditions such as temperature and humidity, good airflow and film build of the topcoat

Post Cleaning Care

- Remove any stains over coated surface using microfiber cloth.
- Remove all dirt using a clean cloth or duster. Always remove dirt from top to bottom, it helps dirt to smudge.
- Do not use any other coating after using Microbial Ag⁺ Shield.
- Post care will increase the protection time.

Safety Features

- Kindly refer to the MSDS for WARRIOR™ MICROBIAL Ag⁺ SHIELD which gives detailed information on safety measures while handling the coating.



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- Keep out of reach of children.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops.
- Avoid inhalation of coating vapour. It is recommended to wear suitable mask during use and preparation.
- Left-over cleaners/containers should not be disposed in soil/drains. Consumers should consult a local recycling agency for proper disposal of paint/drums.

Precautions

- Apply at room temperature.
- Stir well before use.
- Use coating on small surface before using on large surface for test results.
- Ensure the surface is fully covered/wet by the coating.
- This is not a medical product, should not be used on body.

Storage

- Keep it in dark and cool place
- Could be stored for 24 months in ambient condition and original packing.

Disclaimer

"Reinste Nano Ventures Pvt Ltd (REINSTE) warrants to the Buyer that this product is in good quality and conforms to the manufacturer's specifications in force on the date of manufacture and when used in accordance with the installation Instructions and when stored as directed in the technical literature. Manufacturer cannot warrant or guarantee any method of use, performance or application under any particular condition and Buyer is responsible for determining the suitability of intended purpose and assumes all risks therein. REINSTE shall not be liable for any injury, loss, cost of labor or consequential damages either directly, indirectly, or incidentally, arising out of the use or misuse of any product sold by REINSTE or another distributor. If the product is proven to be in nonconformance, the Buyers sole remedy shall be a refund of the purchase price or replacement of the product. This is not a medical device & for use only as a paint/ coating, does not guarantee against infections and is not a cure."

For Technical/Application support, contact us :

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Version 1.4; Revised on July 25,2020