

Product Description

WHS30 is a water-based Anti-Microbial Coating Solution designed to be applied to various surfaces and fabrics to form a durable and long lasting anti-microbial coating. This coat will continue to inactivate microorganisms such as bacteria, viruses, mold and fungus for up to 6 months and will only need to be reapplied after washing. It is suitable for use on sofa or seat covers, car seats, cushion covers, table tops etc.

As WHS30 is a water-based solution, it contains very little volatile organic compounds and is safe to be used in places where VOCs may be an issue. Incorporation of natural essential oils such as rose, lavender, peppermint etc has help to provide a clean and pleasant smell during application.

Extensive tests have been performed on WHS30 as per international standards to ensure the quality and safety of the coating.

Key Features

- >99.9% efficacy against bacteria such as E. coli, K pneumoniae & MRSA.
- >99.99% efficacy against viruses such as MHV.
- Coated fabric withstands >30k abrasion cycles without reduction in antimicrobial activity.
- Coating passes cytotoxicity, skin irritation and food contact tests

Performance

Results	Properties	Standards
> 99.9% efficacy	Antibacterial efficacy against bacteria such as E. coli, K. Pneumoniae, MRSA.	JIS Z 2801:2010/A1:2012 Antibacterial products – Test for antibacterial activity and efficacy.
> 99.99% efficacy	Antiviral efficacy against viruses such as MHV.	ISO 21072:2019 Measurement of antiviral activity on plastics and other non-porous surfaces.
Passed	Cytotoxicity	ISO 10993-5: Third edition: 2009-06-01 Biological evaluation of medical devices Part 5: Tests for in vitro cytotoxicity.
Passed	Skin Irritation	ISO 10993-10:2013 Biological evaluation of medical devices Part 10: Tests for irritation and skin sensitization.
Passed	Food Contact	FDA 21 CFR Part 175.300 Resinous and Polymeric Coatings.

Areas of Application

- Car Seats
- Carpets & Floor Rugs
- Curtains
- Sofa & Seat Covers
- Clothing
- Table tops

Application Method

WHS30 may be applied by spraying. For porous materials, apply just enough solution to dampen the surface. Allow the material to dry completely before using.

WHS30 can also be wiped onto the surface of non-porous materials for a smoother finish. Dampen a piece of cloth or paper towel with the WHS30 solution and wipe the surface to deposit an even coat of the solution.