



Technical Data Sheet (TDS)

Issued by:

NYS Inc.

4-3-12-508 Tsukiji, Chuo-ku, Tokyo 104-0045, Japan

TEL: +81-70-9002-4439

Email: info@nys-chemicals.jp

OEM ANTIBACTERIAL AND ANTIMICROBIAL COATING 5-YEAR DURABILITY TYPE

Product Lineup

- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 5ml
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 30ml
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 50ml
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 150ml
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 1L
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 4L
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 18L
- OEM Antibacterial and Antimicrobial Coating 5-Year Durability Type 20L

1. Product Concept

This product is a long-lasting antibacterial, antimicrobial, antiviral, anti-mold and deodorizing coating based on photocatalytic technology.



Thanks to its visible-light-responsive design, it remains effective even in environments with limited UV light, such as vehicle interiors and indoor spaces.

It decomposes harmful substances such as viruses and bacteria into harmless carbon dioxide and water.

The coating forms a highly durable, hard film with excellent weather and chemical resistance, engineered to deliver performance equivalent to approximately five years for professional use.

2. Composition & Key Features

- Type: Antibacterial, antimicrobial and antiviral coating (photocatalytic type)
- Form: Liquid
- Recommended Usage Amount: Approx. 30 ml per vehicle
- Applicable Materials: Automotive interiors, metal parts, glass, tiles, wallpaper, fabrics, curtains, tatami mats, sofas, shoes, mobile phones, offices, restrooms, and more
- Finish: Transparent, hydrophilic coating with almost no visual change

Key Features

- Photocatalytic reaction decomposes organic contaminants derived from viruses, bacteria and mold
- Effective even under indoor lighting such as fluorescent lamps and room lights
- Silica-reinforced hard film enhances scratch and chemical resistance
- Formulated to minimize damage to organic substrates such as plastics and textiles

3. Performance & Characteristics

Workability

Allows wipe-on application without the need for spray equipment.

Compatibility

Suitable for vehicle interiors, residential, commercial and indoor environments.

Safety

The coating layer bonds firmly to substrates and is not easily removed during routine cleaning.



Ease of Operation

After curing, the surface remains non-sticky and does not interfere with daily use.

Cost Efficiency

Long-term durability reduces the frequency of reapplication.

Non-Applicable Contaminants

Oil-based contamination and physical debris must be removed prior to application.

4. Recommended Application Areas

- Automotive interiors, including seats, door trims and high-touch areas
- Glass, resin panels, metal panels and wallpaper in commercial facilities, offices and residential spaces
- Tiles, grout and counter surrounds in bathrooms, washrooms and kitchens

5. Application Method

1. Thoroughly remove dust, oil and stains from the surface by washing or wiping, and allow it to dry completely.
2. Shake the bottle well, then soak an appropriate amount of liquid into a dedicated cloth or applicator.
3. Spread a thin, even layer over the surface, avoiding streaks and uneven build-up.
4. Allow the surface to dry for several hours, ensuring it is not exposed to water or contamination during this time.

6. Precautions During Application

- Do not apply under direct sunlight or when the surface is hot.
- Avoid heavy, single-coat application, as this may cause streaking or whitening; apply in thin,



uniform layers.

- On aged plastics or rubber, slight changes in texture or color may occur; always test on an inconspicuous area before full application.

7. Summary of Product Properties

- Antibacterial, antimicrobial and antiviral coating (photocatalytic type)
- Recommended usage: Approx. 30 ml per vehicle
- Durability: Approx. 5 years (equivalent)
- Core functions: Antibacterial, antimicrobial, antiviral, anti-mold, deodorizing, anti-soiling
- Application method: Manual application with dedicated cloth
- Country of Origin: Japan

8. Remarks

- The coating layer will gradually diminish due to physical abrasion; high-contact areas should be recoated periodically.
- On fabric and soft textile materials, durability varies depending on abrasion and cleaning methods.
- Do not apply to food, skin, pets, or objects that may come into direct contact with living organisms.
- After use, close the container tightly and store it in a cool, dry place away from heat, humidity and direct sunlight.

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The information contained in this Technical Data Sheet is based on current technical knowledge at



the time of publication.

Specifications and details are subject to change without prior notice.