



OPTIMUS INTERIOR MEDICAL PAINT Technical data

OPTIMUS INTERIOR MEDICAL PAINT is an environmentally friendly one-component water-based paint with anti-virus, antibacterial, and deodorant functions. By blending three types of anti-virus and anti-bacterial agents, including photocatalysts, it is possible to suppress the growth of viruses and bacteria that adhere to walls and ceilings due to droplets, and as a preventive measure against nosocomial infections in hospitals and nursing homes. It is possible to take measures. In addition, it contains a hybrid photocatalyst and has an excellent deodorizing effect on ammonia gas. Even with regard to construction, there is little odor such as solvent odor, and it is suitable for indoor painting. Optimus Interior Medical Paint creates a clean space in various situations.

Use	<ol style="list-style-type: none"> 1. Inner wall of medical and welfare facilities 2. Inner wall of educational and cultural facilities 3. Inner wall of store / office
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Features	<ol style="list-style-type: none"> 1. Anti-virus function. In the anti-virus test (ISO21702), high anti-virus activity with anti-virus activity value of 4.1 has been confirmed. 2. Excellent antibacterial properties. It suppresses Staphylococcus aureus and Escherichia coli, and keeps the painted surface clean at all times. 3. Deodorant effect Adsorbs and removes malodorous substances such as ammonia gas, acetic acid, and hydrogen sulfide. 4. Safe because it is water-based It is safer than solvent-based paints because it is less flammable and does not cause organic solvent poisoning. 5. Easy to apply because it is one-component
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● Anti-virus (anti-virus activity value)

Product name	Influenza A virus (H3N29)
OPTIMUS INTERIOR MEDICAL PAINT	4.1

● Antibacterial function

Bacterial name	Staphylococcus aureus	E. coli	MRSA	O-157
Antibacterial activity value	4.2	6.1	3.8	5.7

○ Paint properties

Test items	Aqueous antibacterial clear paint
Material	Acrylic emulsion
Exterior	Each color paste
Viscosity (BH type No. 1 100 rpm)	1.35±0.1
Solid content	54±3%
Dry to the touch (20 ° C)	30 minutes
Standard coating amount	150g / m ² x 2 coats

● Antibacterial effect (JIS-Z-2801: Antibacterial when the antibacterial activity value is 2.1 or more)

Bacterial name	Staphylococcus aureus	E. coli	MRSA	O-157
Antibacterial if the antibacterial activity value is 2.1 or more	4.3	6.1	4.1	Antibacterial activity value Has antibacterial properties

● Deodorant effect (gas back method)

Gas name	Rate of decrease
Ammonia gas	80%
Acetic acid	95%
Isovaleric acid	96%

● Mold resistance test (JIS Z 2911)

Result	No hyphal growth

● Anti-virus test

Test name	Activity value
Animal infectious virus / influenza virus (with envelope)	4.1