



The antimicrobial agent in **clinikill™** has been tested to the Japanese Industrial Standard JIS Z 2801:2000 and kills a wide range of bacteria, yeast and fungi including but not limited to...

- Bacillus cereus*
- Vibrio parahaemolyticus*
- Salmonella gallinarum*
- Salmonella enteritidis*
- H5N1-type bird flu virus*
- Human coronavirus (human SARS virus)*
- Enterobacter aerogenes*
- Escherichia coli*
- Pseudomonas aeruginosa*
- Staphylococcus aureus*
- Streptococcus faecalis*
- Lactobacillus casei*
- Rhodotorula glutinis*
- Candida albicans*
- Saccharomyces cerevisiae*
- Aspergillus niger*
- Aureobasidium pullulans*
- Chaetomium globosum*
- Glocladium virens*
- Penicillium funiculosum*
- Micrococcus flavus*
- Cladosporium herbarum*
- Penicillium citrinum*
- Alternaria alternata*
- Fusarium moniliforme*
- Fusarium oxysporum*
- Aspergillus flavus*
- Geotrichum candidum*
- Mucor racemosus*
- Myrothecium verrucaria*
- Penicillium nigricans*
- Paecilomyces varioti*
- Rhizopus nigricans*
- Trichoderma viride*
- Curvularia trifolii*
- Trichophyton mentagrophytes*

APPROVALS / ACCREDITATIONS

Independent testing by specialist external laboratories to the Japanese industrial Standard JIS Z 2801:2000 has shown **clinikill™** technology to be effective against many strains of bacterium, fungi and yeast.

1. U.S. FDA (Food and Drug Administration)

The antimicrobial additive used in **clinikill™** has been approved as a Food Contact Substance (notification FCN000047) and can be used for every type of food packaging resin products. As for food types, it can be used for all types of food including animal products from A to H according to the FDA classification (listed on CFR 176.170(C) Table 2).

2. U.S. EPA (Environmental Protection Agency)

The antimicrobial additive used in **clinikill™** has been approved by the EPA for use in preservatives and antimicrobials for food-contact, potable water-contact and non food-contact applications. Registration No. 071227.

COLOUR AND CHEMISTRY

clinikill™ is available in most powder coating technologies, from pure epoxies, through Polyester / Epoxy Hybrids, standard and high durability polyesters, antigraffiti products and Powder Coatings designed for use with heat sensitive substrates.

TO SPECIFY

Utilise the **clinikill™** brand accompanied by the desired chemistry, colour and reference number thus:-

clinikill™ Antigraffiti Silver Pearl 91056960

Or

clinikill™ Duralloy Silver Pearl 91556960



New Zealand
Orica Powder & Industrial Coatings NZ
31B Hillside Road
Glenfield
Auckland New Zealand
Ph: 64-9-441 8244
Fax: 64-9-441 8242
Freephone: 0800 800 975
within New Zealand

Australia
Dulux Powder & Industrial Coatings
Australia
51 Winterton Road
Clayton, 3168 Victoria
Ph: 61-3-9542 4500
Fax: 61-3-9542 4542
Freephone: 13 2499
within Australia

Singapore & South East Asia
Orica Powder & Industrial Coatings
Pearly Kang
Ph: +65 9833 7803

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As lethal as a Silver Bullet

Antimicrobial, Antibacterial & Antifungal powder coating...

WHERE LONG TERM HYGIENE IS PARAMOUNT



HOSPITAL WARDS



Methicillin resistant *Staphylococcus aureus* after 24 hours exposure to **clinikill™**



PUBLIC TOILETS



Escherichia coli after 24 hours exposure to **clinikill™**



CHILD CARE CENTRES



ELDERLY CARE FACILITIES



Salmonella enteritidis after 24 hours exposure to **clinikill™**

EFFECTIVE CONTROL OF BACTERIA, YEAST AND FUNGI IN FOOD PROCESSING, HEALTHCARE, EDUCATIONAL FACILITIES, LAUNDRY / BATHROOMS, & PUBLIC PLACES ETC.



CONTROL OF HARMFUL MICROBES

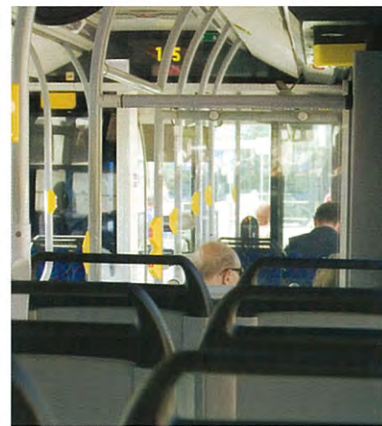
clinikill™ is a very effective tool in the control of bacteria, yeast and fungi. **clinikill™** is available in most powder coating chemistries, colours and special FX product and as a consequence may be used in a myriad of environments.

Independent testing by specialist external laboratories to the Japanese industrial Standard JIS Z 2801:2000 has shown **clinikill™** technology to be effective against many strains of bacterium, fungi and yeast.

Examples of bacteria tested. *Bacillus cereus*, *E.coli*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Methicillin resistant Staphylococcus aureus (MRSA)*, *Salmonella enteritidis*.

Some examples of potential areas where **clinikill™** powder coatings are:-

- Food storage areas and equipment - refrigerators, food display chillers and cases, etc
- Food processing areas and equipment including animal products
- Lockers
- Healthcare furniture and equipment - beds, trolleys, bedside cabinets, light fittings, etc
- Medical & Dentistry devices
- School & childcare facilities
- Laundry equipment
- Bathroom equipment
- Door handles
- Joinery, Balustrades, Elevators & Handrails
- Public transport, stadiums & airports
- Aged care facilities, resthomes, etc



PUBLIC TRANSPORT



DOOR HANDLES



DENTISTRY



BALUSTRADES/HANDRAILS



DISPLAY CHILLERS



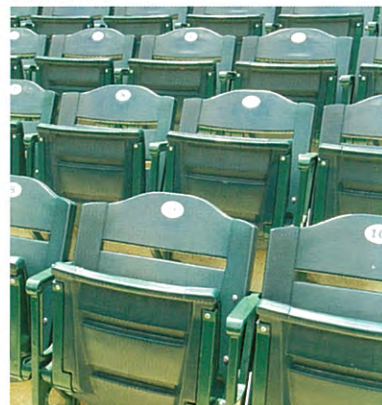
ELEVATORS



FOOD PROCESSING



HEALTHCARE BEDS & CABINETS



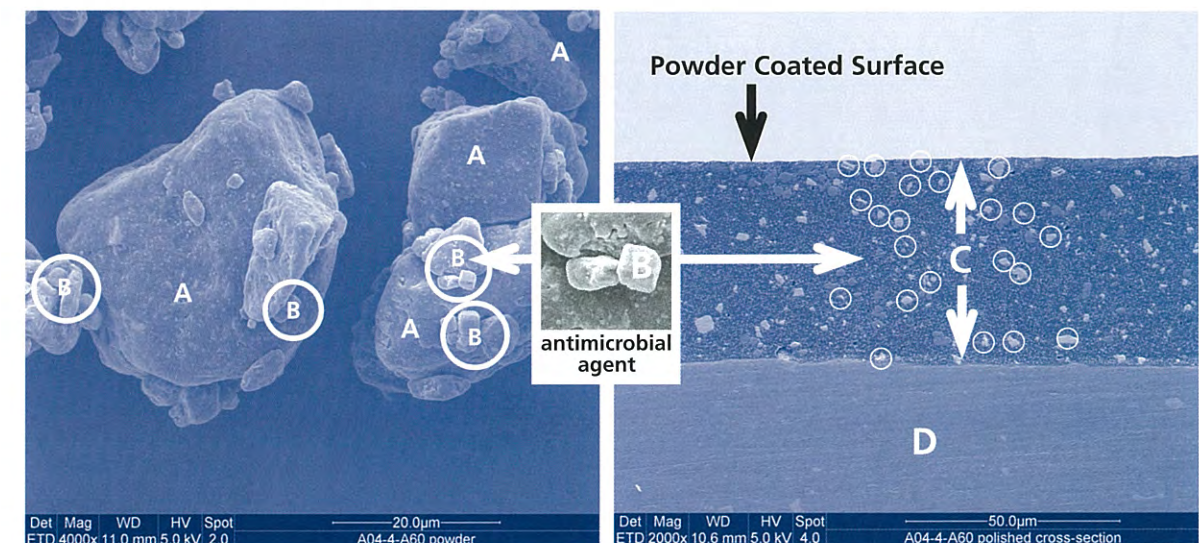
STADIUM SEATING



clinikill™ UTILISES KINETIC TECHNOLOGY TO BOOST ITS PERFORMANCE!

Kinetic technology enables us to ensure the antimicrobial agent is presented at the surface of the coated article where contact with the harmful bacteria and fungi and the antimicrobial effect is maximised. The Kinetic technology also evenly

distributes the antimicrobial agent throughout the coating so its effectiveness will be maintained with normal wear and tear such as light scratches and abrasions.



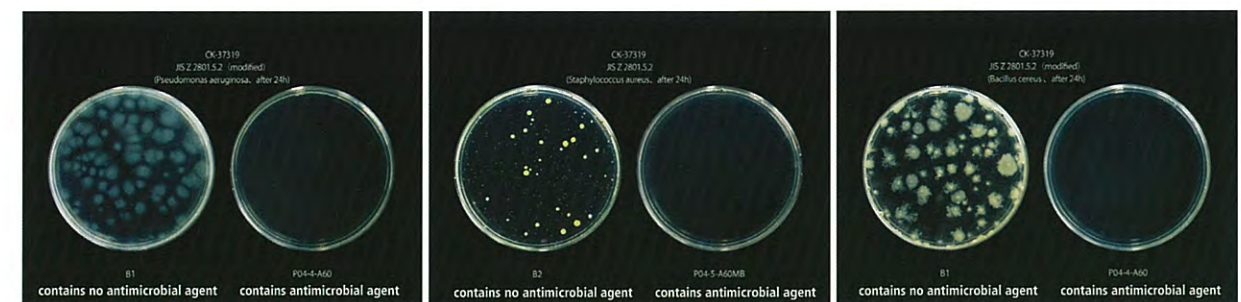
A. Powder coating particle.
B. Antimicrobial agent.

C. Powder coating film containing antimicrobial agent
D. Substrate of powder coated article eg, metal, wood, etc

ANTIMICROBIAL EFFECT

Thanks to the antimicrobial power of silver ions within it, **clinikill™** shows antimicrobial effect against a wide spectrum of bacteria, yeast and fungi including gram-negative bacteria such as *Escherichia*

coli and *Pseudomonas aeruginosa*, gram-positive bacteria such as *Staphylococcus aureus* and MRSA; and fungi such as *Aspergillus niger* and *Penicillium nigricans*.



Pseudomonas aeruginosa after 24 hours exposure to **clinikill™**

Staphylococcus aureus after 24 hours exposure to **clinikill™**

Bacillus cereus after 24 hours exposure to **clinikill™**