Where do I use it?

Anti Microbial Coatings have been developed for use in areas wherever infection control is required. Common usage will include wall and ceiling areas in establishments such as:

- Hospitals
- Clinics
- Surgeries
- Dental Practices
- Health Care Buildings
- Zoo's
- Laboratories
- Veterinary Practices
- Food Industry etc.
- Pharmaceutical areas

Anti Microbial Coatings have been developed to give excellent adhesion over various substrates such as wood, metal, wall and ceilings. Coatings has been developed to be both tough and highly durable, which creates a seamless finish along with antimicrobial protection. These coatings contain an active ingredients which act as fungicide/algicide to inhibit algal and fungal growth which are damaging to coatings. These coatings are environment friendly and nonhazardous in nature subject to wear and tear, heavy traffic and condensation.

Antibacterial Action of Papillon Coatings

<table>
<thead>
<tr>
<th>S.aeruginosa</th>
<th>S.aureus</th>
<th>E.Coli</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Graph" /></td>
<td><img src="image2.png" alt="Graph" /></td>
<td><img src="image3.png" alt="Graph" /></td>
</tr>
</tbody>
</table>

Standard Coating  Papillon Coatings

Testing

Nano Coatings provide antimicrobial activity to all applied surfaces. Coatings exhibit strong activity against all gram-positive and gram negative bacteria, even antibiotic-resistant strains, yeast and fungi. (Viruses can be inactivated by unbonded nanosilver particles). Coatings are long-term shield against antimicrobial growth. It is not a sterilizing agent and does not have long range effects.

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Research indicates that bacteria develop resistance against various types of antibacterial products, but with the use of nanosilver technology this can be avoided as microbes cannot develop resistance against silver thus the products developed with the help of nanosilver technology can provide us long lasting protection to us without developing a resistance against microbes. The efficacy of antimicrobial ingredient used to develop coatings can be verified by means of micro-biological tests. Nanosilver is certified according to international standards.

- ISO 22196:2007
- JIS L1902:2002
- DIN EN ISO 20743:2007-10
- SN 195921
- ASTM G21 96
- JIS Z 2911:1992
- Silver Leaching: 10993: 2002-17

Green Coatings

Reinste has been providing excellence in antimicrobial technology since 2010 and provide a wide range of antimicrobial products such as performance coatings, antimicrobial textiles, germ free floorings etc. It has been proven in various research & tests that Nanosilver possess.

How does it work?

- Inhibits growth of MRSA and E.Coli etc and also deactivates Viruses.
- Contains Silver Ion technology
- Proven to actively inhibit bacteria & fungi.
- Washable and durable
- Suitable for almost any clean and dry building and finishing material or surface.
- One coat - easy application – quick drying - permanent durable finish.
- User friendly and compliant with environmental legislation.
- No cytotoxic effects in various cell lines (ISO 10993).

Benefits include:

- For testing efficacy of antimicrobial coatings JIS Z 2801: 2000 and ASTM E 2180-01 should be followed.

First class specification support

In addition to the comprehensive range of premium nano products Reinste offers a wide range of support and services to customers and specifiers. Our dedicated team is on hand to provide a complete package of support including technical advice, consultancy and on-site inspection service.

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Acrylic</th>
<th>PU</th>
<th>Enamel</th>
<th>Rubber</th>
</tr>
</thead>
</table>

Ag content- As per customer demand.