PALCLAD™ PRO HYG
Active Antimicrobial PVC Wall Cladding System

Over 50 years of proven expertise

Better Outcomes Start Here

- Virtually Seamless Once Assembled
- Zero Grime-harboring Cracks or Crevasses
- Tough: Scratch, Dent, and Chemical Resistance
- Meets Strict JIS Z 2801/ISO 22196 Standards

SILVER ION TO THE CORE

Won’t support bacteria or mold
Extremely durable
Class A fire rated
20 year limited warranty
Active Antimicrobial PVC Wall Cladding System for
• Pre-Op
• Surgical Suite
• PACU
• Stage 2 Recovery
• Pharmacy
• Corridors and Rooms

About Palram
A Global Leader in Thermoplastic Panels
Palram is a leading multinational manufacturer of thermoplastic sheets and panel systems, produced from Polycarbonate and PVC. Founded in 1963, our continual focus on production technology and product advancement allows us to deliver competitive solutions and top-level service to our customers. Palram products are designed to suit a diverse range of wall cladding applications encompassing projects around the world.

INNOVATIVE, AFFORDABLE SOLUTIONS FOR A STERILE ENVIRONMENT
Palram Americas, established in 2001, delivers excellence to the US market, backed by professional support and service. Palram is proud to offer innovative PVC technologies that bring active microbe elimination to a wide range of applications—taking hygienic care one step further.
To-the-Core Active Antimicrobial Protection

PALCLAD™ PRO HYG Active Antimicrobial PVC Wall Cladding System

PALCLAD PRO HYG offers a practical, cost efficient, and comprehensive package that helps maintain a sterile environment.

The system combines flat PVC panels, produced by Palram for over 50 years, with color-matched welding rods for a seamless finish. Covering large areas is made easy with the PALCLAD PRO HYG Cladding System, and its impact and chemical resistance makes it ideal for use in hospitals, sterile/clean rooms, pharmaceutical facilities, laboratories, clinics, and more.

The PALCLAD PRO HYG system ensures many years of service that will not be affected by frequent cleaning, simplifying maintenance and enhancing long-term aesthetics.

In Clinical Testing, PALCLAD PRO HYG Destroyed 99.99% of Bacteria and Molds Exposed to It over a 24-Hour Period

PALCLAD PRO HYG Key Features

- Silver ion-infused proprietary blend distributed to the core of the panel, providing equally effective antimicrobial resistance for scratched or damaged surfaces
- Kills or inhibits the growth of a wide variety of pathogens on contact, including MRSA and VRE, as well as mold and fungi
- High-impact resistant surface protects from scratching, dents, and harsh chemicals
- Easy to install and maintain
- Tested to JIS Z 2810/ISO 22196 Standards
- Class A fire rating
- Certified lead free
- 20 year limited warranty

Colors

<table>
<thead>
<tr>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
</tr>
<tr>
<td>Beige</td>
</tr>
<tr>
<td>Ocean Blue</td>
</tr>
<tr>
<td>Green Grape</td>
</tr>
</tbody>
</table>

Other colors are available on special order, subject to minimum quantity. Please order samples for the best color representation.

Finishes

PALCLAD PRO HYG has a matte finish.
Smooth finish is available on special order, subject to minimum quantity.
Lab Test: Microbe Elimination on Sample Sheets

JIS Z 2801/ISO 22196 standard was selected as test procedure. Prior to testing, all the tested samples were cut to 50x50mm pieces and soaked for 1 minute in 70% ethanol, which was then dried in an oven at 45°C for 4 hours. The samples of the tested materials were inoculated with 0.1ml of microorganism culture and covered with a film/glass cover to prevent evaporation. The samples were then incubated at 29°C to 37°C according to the microbe's preferred growing conditions. Viable organisms were recovered by steeping the tested sample in a phosphate buffer, and then serially diluting the fluid. Four separate identical samples of 0.1ml of each concentration were then dispersed on Petri dishes containing Nutrient Agar matched to the type of bacteria, then incubated for 24/48 hours at 29°C to 37°C. Colonies were then counted and the concentration was calculated, the result reported is the average. A control (no antimicrobial additive) was run for each microorganism tested (included are some of the different strains of bacteria and Fungi tested).

Test Results (CFU Reduction after 24H)

<table>
<thead>
<tr>
<th>Microorganism</th>
<th>Reduction</th>
</tr>
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<tbody>
<tr>
<td>MRSA</td>
<td>99.98%</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>99.96%</td>
</tr>
<tr>
<td>Listeria monocytogenes</td>
<td>99.90%</td>
</tr>
<tr>
<td>Aspergillus niger</td>
<td>99.68%</td>
</tr>
<tr>
<td>Legionella pneumophila</td>
<td>98.50%</td>
</tr>
<tr>
<td>Streptococcus faecalis</td>
<td>97.91%</td>
</tr>
<tr>
<td>Salmonella typhimurium</td>
<td>96.11%</td>
</tr>
<tr>
<td>Clostridium difficile</td>
<td>95.00%</td>
</tr>
<tr>
<td>VRE</td>
<td>87.57%</td>
</tr>
<tr>
<td>Klebsiella pneumoniae</td>
<td>87.38%</td>
</tr>
</tbody>
</table>

Conclusions

The results show that PALCLAD PRO HYG panels demonstrate high antimicrobial activity. Use of PALCLAD PRO HYG along with an adequate cleaning regime, would significantly reduce microbial and dangerous pathogen growth.