



# Palclad™ Pro HYG

## Hygienic Antimicrobial PVC Wall Cladding System

### Description and Overview

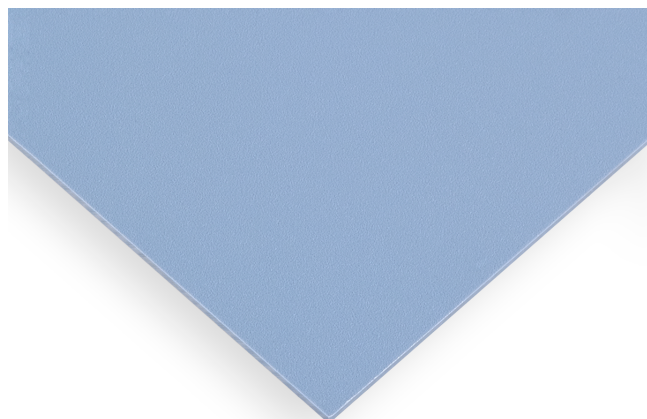
Palclad™ Pro HYG is an antimicrobial wall cladding system of PVC panels that have been tested to stringent JIS Z 2801/ISO 22196 standards. They feature silver ions, a known natural antimicrobial agent, which are added into the panel before the extrusion process to give it the ability to kill microbes and prevent their growth. These ions are so effective that they can even kill antibiotic-resistant microbes.

In addition to their antimicrobial properties, Palclad™ Pro HYG panels are Class A fire rated and have excellent electrical and thermal insulation properties to further protect the spaces they cover. Palclad™ Pro has a high-quality printing substrate that accepts many inks to allow for the creation of beautifully decorated wall coverings with a smooth finish. Color-matched welding rods come included with the panels.

### Applications and Uses

Palclad™ Pro HYG panels are easy to fabricate and form and great for uneven surface cladding. Its applications are numerous but is best used in areas that require clean and sanitized areas at all times, including restrooms, food preparation areas, and hospital clean rooms. Palclad™ Pro HYG has excellent chemical resistance, which makes it easy to maintain and clean regardless of where it is used.

- Schools
- Restrooms
- Airports
- Public transportation facilities
- Corridors
- Food plants and preparation areas
- Sorting halls
- Storage/refrigeration rooms
- Hospital corridors and rooms
- Pre-op
- Sterile/clean rooms
- PACU
- Laboratories and clinics
- Pharmaceutical plants
- Livestock and dairy farms
- Egg sorting halls



### Properties and Specifications

Thermal Properties	Test Method	Conditions	Units -SI	Values
Service Temperature	-	-	°C	0.31 10-4/K
Heat Deflection	D-648	Load: 1.82 Mpa	°C	195 °C
Coefficient of Linear Thermal Expansion	D-696	644	cm/cm °C	340 °C
Thermal Conductivity	C-177	289	W/m K	143 °C

Properties are typical.  
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.  
Mech is an abbreviation for mechanically affixed bonding.  
Field testing is recommended for any application.

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WARNING: This product can expose you to chemicals including Polyvinyl Chloride, CAS 9002-86, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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# Typical Properties

Property	Conditions	ASTM Test Method	Units -SI	Values
<b>PHYSICAL and MECHANICAL</b>				
Density	-	D-792	g/cm <sup>3</sup>	1.4
Tensile strength at yield	10 mm /min	D-638	MPa	50
Tensile strength at break	10 mm /min	D-638	MPa	>80
Tensile Modulus of Elasticity	1 mm /min	D-638	MPa	2,900
Flexural Modulus	1.3 mm /min	D-790	MPa	2,700
Flexural Strength	1.3 mm /min	D-790	MPa	80
Impact Falling Weight	3 mm sheet	ISO 6603/1 E50	J	95
Rockwell Hardness	-	D-785	R scale	97R

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