

Palclad Pro Wall Cladding Sheet

Hygienic Antimicrobial PVC Wall Cladding System



Description and Overview

The Palclad™ Pro 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 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 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 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
- Food preparation areas
- Sorting halls
- Storage/refrigeration rooms
- Hospital corridors and rooms
- Pre-op
- Sterile/clean rooms
- PACU
- Laboratories
- Clinics
- Pharmaceutical plants
- Livestock and dairy farms
- Egg sorting halls
- Storage rooms
- Refrigeration facilities

Properties and Specifications

Physical Properties				
Property	Conditions	ASTM Method	Units -SI	Value
Density		D-792	g/cm ³	1.4
Mechanical				
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	2900
Flexural Modulus	1.3 mm /min	D-790	MPa	2700
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
Thermal				
Service Temperature			°C	-10 to +50
Heat Deflection Temperature	Load: 1.82 Mpa	D-648	°C	66-68
Coefficient of Linear Thermal Expansion		D-696	cm/cm °C	6.7x10 ⁻⁵
Thermal Conductivity		C-177	W/m K	0.15

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 **WARNING:** This product can expose you to chemicals, which are known to the State of California to cause cancer, birth defects, and/or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

