



# PALCLAD™ Pro

## Hygienic PVC Wall Cladding System



AGRICULTURE



CONSTRUCTION



ARCHITECTURE



### Overview

PALCLAD Pro cladding system is a practical, cost efficient and comprehensive solution for maintaining a clean and safe environment.

Covering large areas is simplified with PALCLAD Pro, which have already helped achieve high resistance to fire and chemicals in hospitals, pharmaceutical plants, restaurants and other locations.

The system features flat opaque PVC panels, manufactured by Palram for more than 50 years, combine with custom profiles and welding rods in matching colors.

A wide range of colors and surface textures enables design versatility for many purposes. The system's durability ensures many years of service that is unaffected by repetitive cleaning routines.

### Main Benefits

- Complete wall cladding solutions
- Profiles or welding rods options
- Creates high sanitation environment
- Withstands repeated cleaning cycles
- Versatile design options facilitated through multiple colors and surfaces
- High impact strength
- High fire rating
- High electrical and thermal insulation
- Non toxic
- PALCLAD™ Pro HYG: Active hygiene



### Typical Applications

#### Public Facilities

- Schools
- Rest rooms
- Airports
- Public transportation facilities
- Corridors

#### Food Industry

- Food plants
- Food preparation areas
- Sorting halls
- Storage rooms

#### Healthcare

- Sterile/clean rooms
- Hospitals
- Clinics
- Pharmaceutical plants

#### Agriculture

- Livestock and dairies
- Egg sorting halls
- Storage rooms
- Refrigeration facilities

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## Product Range

Type	Definition
PALCLAD™ Pro White	White panels & welding rods / profiles
PALCLAD™ Pro Colored	Colored panels & welding rods / profiles
PALCLAD™ Pro HYG	Active hygiene protection (Silver ions)

\* Standard thickness availability is determined by color. See table below for more details.

## Dimensions

	HYG	Thickness	Width x Length (mm)	Color
Smooth	+	2, 2.5 mm	1220 x 2440	Standard / Special
Haircell			1500 x 3000	
Cracked Ice	NA	2.3 mm	1220 x 2440	White

\* 2mm availability as standard is determined by color. See table below for more details.



## System and Accessories

Part	Drawing	Package / Size
PVC H Section Profile White Base + Colored Cap		3m
PVC J Section Profile White Base + Colored Cap		3m
PVC Inner Corner Profile		3m
PVC External Corner Profile		3m
Colored PVC Welding Rod		50m Roll
Colored Silicone		Tubes
Glue (2 components)		6.5 kg

## Panel Physical Properties

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm <sup>3</sup>	1.4
Heat deflection temperature (H.D.T)	D-648	Load: 1.82MPa	°C	65 - 68
Service Temperature			°C	-10 to +50
Thermal conductivity	C-177		W/m K	0.15
Coefficient of linear thermal expansion	D-696		cm/cm °C	6.7 x 10 <sup>-5</sup>
Rockwell hardness	D-785		R Scale	97R
Tensile strength at yield	D-638	10 mm/min	MPa	50
Tensile strength at break	D-638	10 mm/min	MPa	45
Elongation at yield	D-638	10 mm/min	%	3
Elongation at break	D-638	10 mm/min	%	>80
Tensile modulus of elasticity	D-638	1 mm/min	MPa	2,900
Flexural strength	D-790	1.3 mm/min	MPa	80
Flexural modulus	D-790	1.3 mm/min	MPa	2,700
Impact falling weight	ISO 6603/1 E50	3 mm sheet	J	95

\* ASTM except where noted otherwise

## Colors

### Standard Colors

STD White

Off White

Beige

Light Grey

Green Grape

Ocean Blue

### Special colors

Cream	Medium Grey	Black	Red
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\* Other colors are available on special order, subject to minimum quantity.

## Flammability

PALCLAD Pro complies with the most demanding international fire resistance standards in the field of plastics, as indicated in the detailed table herein. The classification is subject to product type, thickness and color.

Panel Type	Standard	Classification
Standard Panel	EN 13501	B, s3, d0
	BS 476/7	Class 0
	ASTM E 84	Class A

\* For more detailed information please contact your Palram distributor.



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