



PALCLAD™ Pro

Hygienic PVC Wall Cladding System



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

www.palram.com



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)
PALCLAD™ Pro LS	Low Smoke - meeting s2 classification


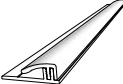
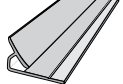
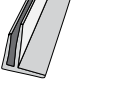



* Standard thickness availability is determined by color. See table below for more details.

Dimensions

Thickness	Width x Length	Surface
2 mm*	1500 x 3000 mm	Glossy / Embossed
2.5 mm	1220 x 3050 mm	Glossy / Glossy
2.5 mm	1220 x 2440 mm	Glossy / Glossy

* 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 ³	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 ⁻⁵
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

STD White	Off White	Pistachio	Desert Sand
Mink	Ocean Blue	Green Grape	Red
Grey Cream	Light Grey	Grey	Black

* Other colors are available on special order, subject to minimum quantity.

Flammability

PALCLAD Pro is self-extinguishing and complies with the most demanding international fire resistance standards defined in the field of plastics, as shown in the attached table.

Panel Type	Standard	Classification
Standard Panel	EN 13501	B, s3, d0
	BS 476/7	Class 0
	ASTM E 84	Class A
LS Panel (Low Smoke)	EN 13501	B, s2, d0



PALRAM H.Q.
Tel: +972 4 8459900
Fax: +972 4 8444012
palram@palram.com

PALRAM EUROPE LTD.
Tel: +44 1302 380777
Fax: +44 1302 380778
sales.europe@palram.com

PALRAM AMERICAS
Tel: 610 2859918
Fax: 610 2859928
palramamericas@palram.com



76169 - 11.2016

In as much as Palram Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Palram Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. Palram Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local Palram Industries supplier to ensure that you have obtained the most up to date information.

©2013 Palram Industries Ltd. | PALCLAD is a trademark of Palram Industries Ltd.

