



## Overview

You can revamp the look of your home and grounds with PALRUF DIY corrugated panels.

This lightweight and easy-to-install product can be used for patio covers, partitions, sliders, underdecking, and more, giving your home an attractive, functional, and economical upgrade.

PALRUF DIY corrugated PVC panels work well with open sided and well-ventilated structures, and offer an easy and durable home improvement option, which is virtually maintenance-free.

PALRUF DIY panels are resistant to chemicals and corrosive environments, and will maintain their color and surface under the harshest conditions.

[www.thepolycarbonatstore.co.uk](http://www.thepolycarbonatstore.co.uk)

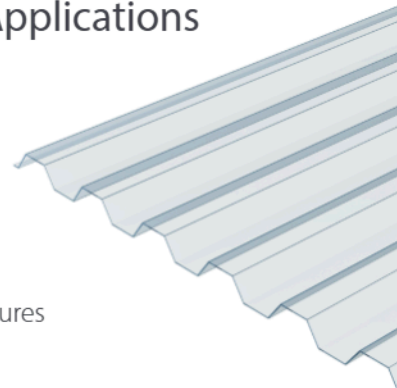
## Main Benefits

- Lightweight & easy to install
- Hail & impact resistant
- Ideal for arched roofs & curved walls
- Weather and UV resistant
- Requires minimum maintenance
- For every budget & application
- Excellent chemical resistance
- Will not rust or corrode
- High fire resistance



## Typical Applications

- Sun houses
- skylights
- Garages
- Carports
- Porches
- Patio enclosures
- Verandas
- Pool enclosures
- Awnings
- Partitions and gazebos (pergolas)







## Colours

Colour	LT (%)
Clear 	87

\*Additional colors are available under minimum quantities.

## Standard Profiles\*

Profile	Designation	Drawing	Thickness (mm)	Width (mm)	Length (m)
Iron 76	76/18		0.8 - 1.3	660, 860, 900, 1150	1.5 - 11.6
Greca	70/18		0.8 - 1.3	550, 765, 1090, 1103	1.5 - 11.6
Mini	32/9		0.8 - 1.3	660	1.8-3.6
3"	72/19		0.8 - 1.3	755	1.5-3.6

\*Custom profiles are available upon request, subject to minimum order.

## Weather and UV Resistance

PALRUF maintains its physical properties and attractive appearance despite exposure to all types of climatic conditions. These include harmful UV radiation, humidity, rain and snow.

PALRUF also provides weather protection over a large temperature range, from -20°C to 50°C. PALRUF **should not** be used in the vicinity of chimneys where soot may fall on the sheets.

- Do not install PALRUF over existing roof, without prior consultation with the manufacturer PALRAM.
- For contact details please refer to PALRAMs' official website at [www.palram.com](http://www.palram.com).



## Typical 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: 1.82 MP	°C	61 - 67
Service Temperature Range			°C	-20 to +50
Thermal conductivity	C-177		W/m K	0.16
Coefficient of linear thermal expansion	D-696		cm/cm°C	6.3 x 10 <sup>-5</sup>
Impact strength	ISO 6603/1	2 mm sheet	J	45 - 60
Tensile strength at yield	D-638	10 mm/min	MPa	50 - 66
Tensile strength at break	D-638	10 mm/min	MPa	39 - 53
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	90 - 100
Flexural modulus	D-790	1.3 mm/min	MPa	2,700
Rockwell hardness	D-785		R Scale	105 - 115

\* ASTM method except where noted otherwise.

## Flammability

PALRUF 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.

Method	Classification*
BS 476/7	Class 1
NSP 92501, 5	M-1
FMRC 4870	Class 1
EN1351	B, s3, d0

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

## PALRUF® Product Range

Product	Description
PALRUF® Opaque	Opaque sheet inherently UV resistant, suitable for all applications.
PALRUF® Clear	Clear UV stabilized sheet, ideal for DIY applications
PALRUF® Opal	UV stabilized sheet, reduced light transmission (~35%)
PALRUF® High Impact	With increased impact resistance and durability.