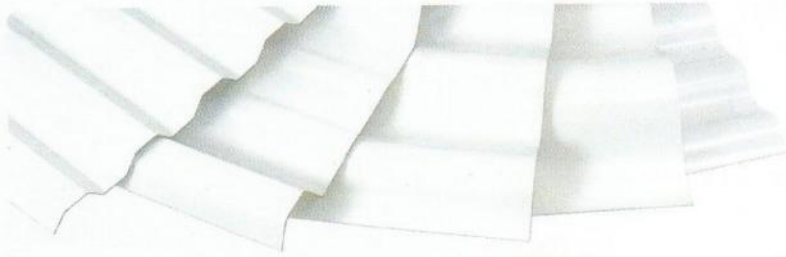


# PALRUF®

## PVC CORRUGATED ROOFING & WALL SHEETS



### Overview

PALRUF corrugated PVC sheet is an all-round durable roofing solution, combining excellent resistance to chemicals, fire and impact.

PALRUF endures harsh chemical environments where other roofing materials will quickly corrode, making it ideal for roofing, siding and cladding applications in industry, agriculture and construction.

PALRUF is available in a variety of clear and opaque colors and many profiles. It can be easily installed in DIY applications around the house using ordinary tools.

### Main Benefits

- Non Corrosive – Will not corrode or rust
- Resistant against widest range of Chemicals
- Durable & High Impact Strength
- UV & Weather Resistant
- Doesn't fade or yellow
- Excellent appearance
- Better Sound and Heat Insulation
- Meeting international fire standards
- Easily handled , Quickly installed

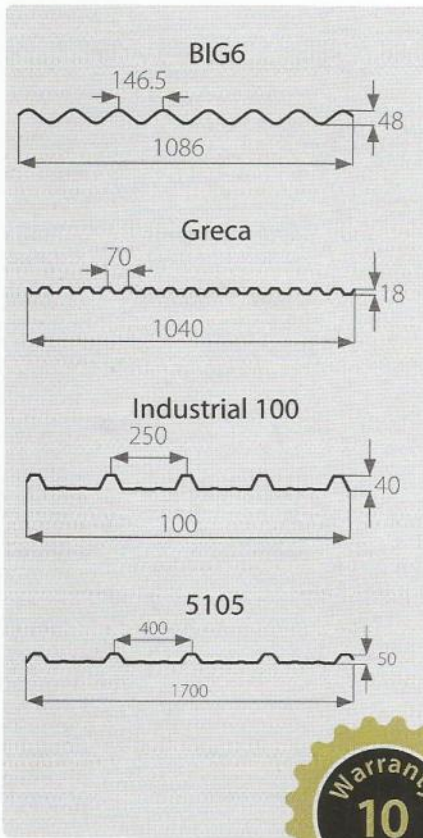
Heat  
Insulating

Chemical  
Resistant

Non  
Corrosive



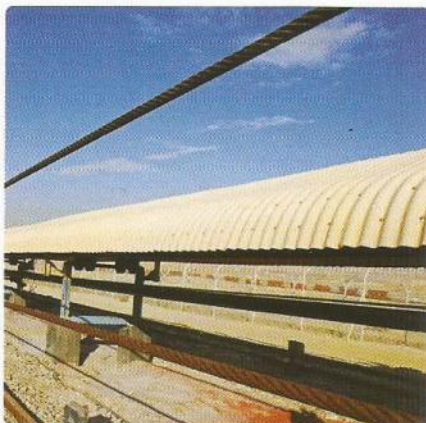
## Profiles



## Flammability

PALRUF® meets most stringent flammability ratings.

Standard	*Classification
DIN 4102	B-1
BS 476/7	Class 1
NSP 92501, 5	M-1
FMRC 4870	Class 1



## Load / Span Data - PALRUF® 100

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)					
	2.0 mm		2.5 mm		3.0 mm	
	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span
50	1800	1350	1900	1425	2000	1500
75	1700	1275	1800	1350	1900	1425
100	1600	1200	1700	1275	1800	1350
125	1500	1125	1600	1200	1700	1275
150	1400	1050	1500	1125	1600	1200
175	1300	975	1400	1050	1500	1125
200	1200	900	1300	975	1400	1050

## Load / Span Data - PALRUF® 5150

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)					
	2.0 mm		2.5 mm		3.0 mm	
	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span
75	2250	1750	2350	1800	2450	1850
100	2200	1700	2300	1750	2400	1800
125	2150	1650	2250	1700	2350	1750
150	2100	1600	2200	1650	2300	1700
175	2050	1550	2150	1600	2250	1650
200	2000	1500	2100	1550	2200	1600
200	1200	900	1300	975	1400	1050

## 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 MPa	°C	67-61
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	0.8 mm sheet	R Scale	105 - 115

\* ASTM method except where noted otherwise