

# PALRUF

## Corrugated PVC Sheet



### Overview

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

Palruf endures harsh environments where other roofing materials will quickly become 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 colours and many profiles. It can be easily installed in DIY applications around the house using ordinary tools.

### Main Benefits

- ❖ Excellent chemical resistance
- ❖ Weather & UV resistance
- ❖ High fire resistance
- ❖ Palruf HYG: Active Hygiene
- ❖ Will not rust or corrode
- ❖ Ideal for arched roofs & curved walls
- ❖ High impact – resists breakage
- ❖ Easily handled, quickly installed
- ❖ Requires minimum maintenance



### Typical Applications

#### Construction

Coastal construction, public buildings, parks, sports and recreation facilities.

#### Industry

Chemical and pharmaceutical plants, ports, pulp and paper plants, power stations, mines, metal processing facilities.

#### Agriculture

Greenhouses, cow sheds, henhouses, pigpens, barns and machinery sheds.

#### Do-It-Yourself

Sunhouses, skylights, garages (carports), porches, patio enclosures, awnings, partitions and gazebos.

#### Food Industry

Food manufacturing plants, storage and refrigeration rooms, sorting halls.

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## Colours

Opaque	White, Light Grey, Beige, Light Green, Light Blue
Transparent	Clear, Bronze
Translucent	White Opal, White Diffuser, Blue

## Flammability

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

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

## Typical Physical Properties

Properties	Method	Conditions	Units	Value
Density	D-792	-	g/cm <sup>3</sup>	1.4
Heat Deflection Temperature (H.D.T)	D-648	Load 1.82MP	°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	2mm sheet	J	45-60
Tensile Strength at Yield	D-638	10mm/min	MPa	50-66
Tensile Strength at Break	D-638	10mm/min	MPa	39-53
Elongation at Yield	D-638	10mm/min	%	3
Elongation at Break	D-638	10mm/min	%	>80
Tensile Modulus of Elasticity	D-638	10mm/min	MPa	2900
Flexural Strength	D-790	1.3mm/min	MPa	90-100
Flexural Modulus	D-790	1.3mm/min	R Scale	2700
Rockwell Hardness	D-785	-	-	105-115

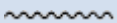












## Weather Resistance

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.

## Palruf Product Range

Product	Description
AG-TUF	Liner panel for indoor applications
Palruf Opaque	Opaque sheet inherently UV resistant, suitable for all applications
Palruf Clear	Clear UV stabilised sheet, ideal for DIY applications
Palruf Opal	UV stabilised sheet, reduced light transmission (~35%)
Palruf High Impact	With increased impact resistance and durability
Palruf HYG	With active antimicrobial action, ideal for livestock applications.

## Standard Dimensions

Profile	Designation	Drawing	Thickness	Width	Length
Mini	32 / 9		0.8	660, 750, 1040	1.5 – 6.0
Iron / Sinus 76	76 / 18		0.8 – 1.5	660, 860, 900, 1150	1.5 – 11.6
Greca / Trapeze	76 / 18		0.8 – 1.3	1045, 1060, 1140, 1145, 1190	1.5 – 11.6
Greca / Trapeze	75 / 19		0.75 – 1.0	1135	1.5 – 11.6
Greca / Trapeze	70 / 18		0.8 – 1.5	550, 765, 1090, 1103	1.5 – 11.6
5,6 Waves	177 / 51		0.8 – 2.0	920, 1100, 1170	1.5 – 6.0
3" Standard	72 / 20		0.8, 1.0, 1.3	755	1.5 – 11.6
American 2.6"	67.8 / 20		2.0	1020	1.5 – 6.0
Americal 4.2"	107 / 27		1.8 – 4.5	1070	1.5 – 11.6
Big 6"	146 / 48		1.1, 1.3, 2.0	1086	1.5 – 6.0
Astoria	305 / 38		2.2	1015	1.5 – 6.0
Industrial 0100	250 / 40		1.8 – 3.0	1066	1.5 – 6.0
7.2"	183 / 38		2.0 – 3.0	967, 1150, 1217	1.5 - 11.6
5102	382 / 50		2.0 – 3.0	1620	1.5 – 11.6

# Palruf after Sale Service

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