



PALRUF®

Corrugated PVC Sheet



AGRICULTURE



CONSTRUCTION



DIY



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 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 colors and many profiles. It can be easily installed in DIY applications around the house using ordinary tools.

Main Benefits

- Excellent chemical resistance
- Weather and UV resistant
- 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

Sun houses, skylights, garages (carports), porches, patio enclosures, verandas, pool enclosures, awnings, partitions and gazebos (pergolas).

Food Industry

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














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Colors

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

Standard Dimensions*

Profile	Designation	Drawing	Thickness (mm)	Width (mm)	Length (mm)
Mini	207/35		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
American 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

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

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 stabilized sheet, ideal for DIY applications
PALRUF® Opal	UV stabilized sheet, reduced light transmission (~35%)
PALRUF® High Impact	With increased impact resistance and durability.
PALRUF® HYG	With active antimicrobial action, ideal for livestock applications.



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Typical Physical Properties

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm ³	1.4
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 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 ⁻⁵
Impact strength	ISO 6603/1	2 mm sheet	J	45 - 60
Tensile strength at yield	D-638	10 mm/min	MPa	52 - 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	%	140 - 160
Tensile modulus of elasticity	D-638	1 mm/min	MPa	2,700
Flexural strength	D-790	1.3 mm/min	MPa	90 - 100
Flexural modulus	D-790	1.3 mm/min	MPa	2,200
Rockwell hardness	D-785		R Scale	105 - 115

*ASTM method except where noted otherwise.

Flammability

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

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

*For additional information please contact your Palram distributor.

Resistance to Weather and UV Radiation

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.

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.

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