

GRP Panels

PANOLIT - CPR

Plywood core coated on both sides with glassfibre reinforced polyester resin.

Thicknesses and Weights

Thickness in mm	6	11	14	17	20	24	27	30
Weight kg/m ² CPR	5.5	9.0	9.4	11.2	12.7	16.2	18.5	20.5
Weight kg/m ² CPRFR	-	-	9.4	11.2	12.7	16.2	-	-
Weight kg/m ² CPRS	-	-	9.7	11.5	13.0	16.5	-	-
Weight kg/m ² CPRSR	-	-	10.4	12.2	13.7	17.2	-	-

Advantages - Good quality / price ration, easy to assemble and easy to repair.

Types / Glass Reinforcement

- > CPR: 670 g/m²
- > CPRFR: 750 g/m²
- > CPRS: 930 g/m²
- > CPRSR: 1700 g/m²

Dimensions

- > Standard height: 2440 mm
- > Maximum height: 3150 mm
- > Standard length: up to 13550 mm
- > Special sizes: upon request

Custom-made

- > Colour gelcoat outside face
- > Special cut according to drawings and door size
- > Inserts according to drawings
- > Panels protected with plastic film upon request
- > Panels with peel ply, anti-slipping coat to realise floors
- > Rebates

Applications - Van bodywork and dayfreight containers, doors without tubes, concrete shuttering, shelters for animals etc.

Panels fulfil the specifications of norm NFT 57-950-1.



GRP Panels

ISOLIT - FOAM CORE

Polyurethane foam core between two plywood sheets of 4mm and coated on both sides with glassfibre reinforced polyester resin.

Thicknesses and Weights

Thickness in mm	25	30	40	50	80	100	120
Weight kg/m ² ISP	10.7	11.0	11.5	12.0	13.5	14.5	15.5
Weight kg/m ² ISP3	11.6	11.9	12.4	12.9	14.4	15.4	16.4
Weight kg/m ² ISP4	12.4	12.7	13.2	13.7	15.2	16.2	17.2
Weight kg/m ² ISP5	14.1	14.4	14.9	15.4	16.9	17.9	18.9
Coefficient of insulation w/m ² /k (ISP)	1.65	1.26	0.86	0.65	0.38	0.30	0.24

Advantages - Isothermal properties. the two plywood sheets of 4mm facilitate the fixing of different elements on the panel and improve the surface finish.

Types / Glass Reinforcement

- > ISP: 950 g/m²
- > ISP3: 1100 g/m²
- > ISP4: 1530 g/m²
- > ISP5: 2130 g/m²

Dimensions

- > Standard height: 2500 mm
- > Maximum height: 3150 mm
- > Standard length: up to 13550 mm
- > Special sizes: upon request

Custom-made

- > Panels protected with plastic film.
- > Special panels answering your needs
- > Floor panels with wood or metal reinforcements
- > Peel ply and non-slip coating
- > Isothermal panels for bulk heads with wood or metal reinforcements
- > Isothermal roof panels with reinforcements to fix different equipments
- > Tubes for electrical wiring
- > Side walls with specific inserts
- > Rebates

Applications - Insulated bodyworks, isothermal and refrigerated containers, catering and store vehicles.

Panels fulfil the specifications of norm NFT 57-950-1.



GRP Panels

NIDALIT - LIGHTWEIGHT

Polypropylene honeycomb core coated both sides with a glassfibre reinforced polyester resin.

Thicknesses and Weights

Thickness in mm	14	17	20	25	30
Weight kg/m ² NA45L (lightened issue)	1.2	1.1	1.5	1.8	5.1
Weight kg/m ² NAP5	5.8	6.0	6.2	6.5	6.8
Weight kg/m ² NAP6	7.7	7.9	8.1	8.4	8.7
Weight kg/m ² NAP7	8.3	8.5	8.7	9.0	9.3
Coefficient of insulation w/m ² /k (NAPS)	5.03	4.37	3.66	2.87	2.37

Advantages - Strong lightweight panel. Excellent resistance to humidity in external uses.

Types / Glass Reinforcement

- > NA45L: 930 g/m²
- > NAP5: 930 g/m²
- > NAP6: 1230 g/m²
- > NAP7: 1500 g/m²

Dimensions

- > Standard height: 2500 mm
- > Maximum height: 3150 mm (NA45L: maximum height 2440mm)
- > Standard length: up to 13550 mm
- > Special sizes: upon request

Custom-made

- > Coloured panels
- > Special cuts according to drawings
- > Peripheral and intermediate wood according to drawings
- > Panels protected with plastic film upon request
- > Panels with peel ply, anti-slipping coat to realise floors

Panels fulfil the specifications of norm NFT 57-950-1.



GRP Panels

PERLIT

Lightweight panel with PET foam, high density (polyethylene terephthalate) coated on both sides with glassfibre reinforced polyester resin. This lightweight and strong panel allows a light and direct fastening of moderate loads.

Thicknesses and Weights

Thickness in mm	14	17	20	25	30	50
Weight kg/m ² PER	4.6	4.8	5.1	5.5	5.9	7.3
Weight kg/m ² PERS	5.0	5.2	5.5	5.9	6.3	7.6
Weight kg/m ² PERSR	6.4	6.6	6.9	7.3	7.7	9.1
Coefficient of insulation w/m ² /k (PER)	2.9	2.3	1.9	1.5	1.2	0.7

Advantages - Good resistance to compression

Types / Glass Reinforcement

- > PER: 930 g/m²
- > PERS: 1230 g/m²
- > PERSR: 1810 g/m²

Dimensions

- > Standard height: 2440 mm
- > Standard length: up to 13550 mm
- > Special sizes: upon request

Custom-made

- > Coloured panels
- > Special cuts according to drawings
- > Panels protected with plastic film upon request

Applications - Lightweight vehicles and advertising panels.

Panels fulfil the specifications of norm NFT 57-950-1.



FRP Panels

Technical Data Sheet

Product: Opal White - UV.GL.YT.CS.CR-Matt-FI-1.3mm

	Properties	Unit	Test Method	Value
Physical	Top Surface			UV resistance
	Thickness	mm		1.3 ± 5%
	Weight	gr/m ²		1800 ± 10%
	Density	g/cm ³	ISO 1183	1.4 - 1.5
	Glass Fibre Content %	%	EN ISO 1172	≥ 25%
	Water Absorption % (24 hr. @ 23°C)	%	ISO 62	≤ 0.4
	Flame Resistance		EN 13501-1	E S ₃ d0
	Colour			Opal White
	Light Transmission %	%	EN ISO 13468-2	40 - 50
	Width mm	mm		max. 3200
Length	mt		60 - 120	
Thermal	Back Surface			Matt and Corona
	Thermal Conductivity	W/mK°	DIN 51046	0.28
	Coefficient of Linear Thermal Expansion	a K ⁻¹	ISO 11359-2	30 x 10 ⁻⁶
	Term Service Temperature	°C		-40 + 120
Mechanical	Tensile Strength	Mpa		75 - 85
	Tensile Modulus of Elasticity	Mpa		3500 - 4500
	Elongation at Break	%		1 - 1.5
	Flexural Strength	Mpa		80 - 90
	Flexural Modulus	Mpa		3000 - 4500
	Barcol Hardness			35 - 45

Stocked Sizes

- > 2550mm x 1.3mm x 60m
- > 2150mm x 1.3mm x 60m

