



Catalogue

Industrial Line



FEMOGLAS® company certified in all its processes
under the ISO 9001: 2015

FEMOGLAS®
SOLUCIONES CONSTRUCTIVAS



Roofings Coatings

Camino Coquimbo 16064, Colina, Santiago-Chile / info@femoglas.com / +562 2394 7100
Grupo Femoglas: Politec / Tecpol / Plástiquímica
www.femoglas.com

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Fiberglass

Roofings / Coatings

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FEMOGLAS[®]
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Fiberglass Roofings / Coatings

Femoglas® finds one of its greatest areas of application in roofing panels of Fiberglass Reinforced Plastic (FRP).

Our Standard, Polyacrylate and Policolor lines, respond to specific design requirements, geographical location and the process to which our FRP panels will be exposed.

The feasibility of manufacturing in translucent or coloured sheets, allows to cover projects where other materials do not perform well and a 100% FRP coating is required. Our sheets also may be used as a translucent complement to other materials (mainly Steel sheets).

All our panels include UV filter in their mass and protective film ECR-1 which delays the appearance of the fibre over time.

Name	Usable Width (mm)	Height (mm)	Number of Nerves	Colour	Reference Photo
Femo 4 Panel	1000	50	4	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Drip Control 4 Panel	1000	50	4/3	Natural Translucent/ White Translucent	
Femo 4 Double Panel	1000	Upper Panel 50 mm Lower Panel 30 or 50 mm	4	Natural Translucent White Translucent	
Femopit Panel	910	35	6	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Femo 8 Panel	1000	31	8	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	

Fiberglass Roofings / Coatings

Name	Usable Width (mm)	Height (mm)	Number of Nerves	Colour	Reference Photo
Femo 6 Panel	910	50	6	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Drip Control 6 Panel	910	50	4/3	Natural Translucent/ White Translucent	
Femo 6 Double Panel	910	Upper Panel 50 mm Lower Panel 30 or 50 mm	6	Natural Translucent White Translucent	
Large Wave P5 Panel	708	56	5	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Large Wave P6 Panel	885	56	6	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Femo G7 Panel	710	57	7	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	

Fiberglass Roofings / Coatings

Name	Usable width (mm)	Height (mm)	Number of nerves	Colour	Reference photo
A2/KR24 Panel	450	52	3	Natural Translucent/ White Translucent	
Drip Control A2/ KR24 Panel	450	52	2/3	Natural Translucent/ White Translucent	
Kover Panel type A2/KR24	450	Upper Panel 50 mm Lower Panel 75 mm	2/1	Natural Translucent White Translucent	
Double Feed A2/ KR24 Panel	900	52	5	Natural Translucent/ White Translucent	
Double Kover Panel type A2/ KR24	900	Upper Panel 50 mm Lower Panel (variable)	5/3	Natural Translucent/ White Translucent	
Standard Wave P11 Panel	762	14.3	11	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	

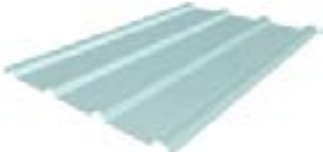
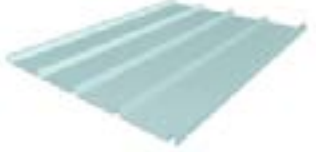
Fiberglass Roofings / Coatings

Name	Usable width (mm)	Height (mm)	Number of nerves	Colour	Reference photo
Femo 4S Panel	1000	42	4	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Double Femo 4S Panel	1000	Upper Panel 42 mm Lower Panel 30 mm	4	Natural Translucent/ White Translucent	
KR18 Panel	457	64	3	Natural Translucent White Translucent	
Drip Control KR18 Panel	457	64	4/3	Natural Translucent/ White Translucent	
Double Feed KR18 Panel	914	64	3	Natural Translucent/ White Translucent	
Double Drip Control KR18 Panel	914	64	3/3	Natural Translucent/ White Translucent	

Fiberglass Roofings / Coatings

Name	Usable width (mm)	Height (mm)	Number of nerves	Colour	Reference photo
Arquiline Panel	720	30	9	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
CD460 Panel	460	35	3	Natural Translucent/ White Translucent	
Double CD460 Panel	460	Upper Panel 35 mm Lower Panel 30 or 40 mm	3	Natural Translucent White Translucent	
CD500SL Panel	500	42	3	Natural Translucent/ White Translucent	
Softwave Panel	850	48	6	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Femo 5V Panel	844	12.7	5	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	

Fiberglass Roofings / Coatings

Name	Usable width (mm)	Height (mm)	Number of nerves	Colour	Reference photo
Corrugated Panel	1000	14	14	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
N10 Panel	825	32	4	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
CD 920 Panel	920	35	5	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
Panarq Panel	1070	Upper Panel 31 mm Lower Panel 35, 40 and 50 mm	3	Natural Translucent/ White Translucent	
Femopanel	1220	1.5	0	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	
PT825 Panel	1007	25	8	Natural Translucent/ White Translucent/ Femoglas Colour (CRF)	

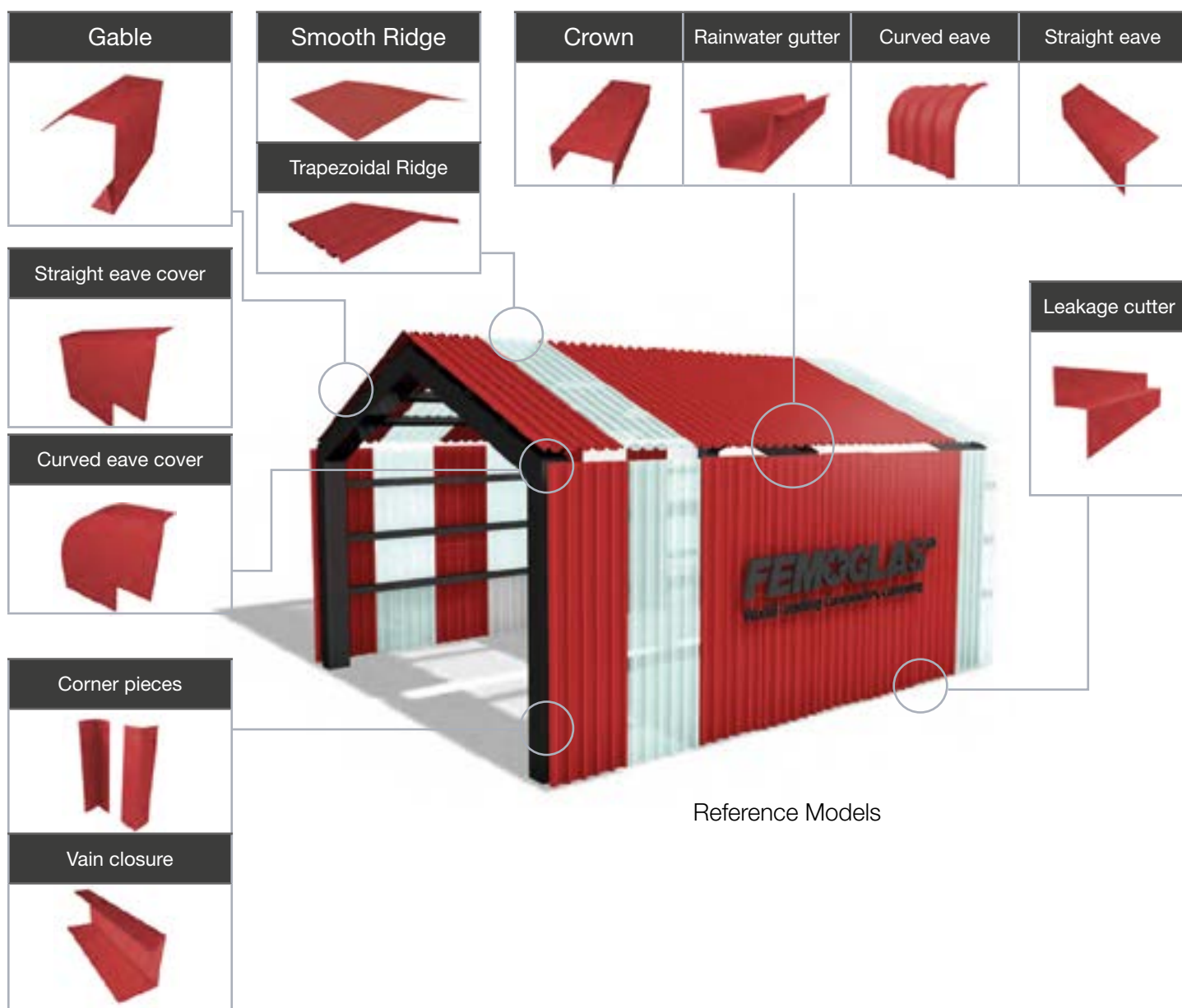


Roofings

Coatings / Terminations

Fiberglass Roofings Coatings / Terminations

Termination supplements made of Fiberglass Reinforced Plastic (FRP)
Feasibility of a wide range of models and special pieces for different solutions





Roofings

Polycarbonate

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Roofings Polycarbonate

The Femoglas® Polycarbonate sheets, are manufactured in Chile by Tecpol, with raw material of excellent quality. They are designed for application in roofs and coverings, both having industrial as well as residential use.

Its aim is to generate naturally lit spaces and reduce artificial lighting costs. Belonging to the group of thermoplastics, polycarbonate is a product easy to work with, mould and thermoforming, which is why it offers a wide range of applications in construction. It's manufactured by an extrusión process, allowing continuous lengths of sheets, which can be used in combination with other material sheets (mainly Steel).

Name	Usable width (mm)	Height (mm)	Number of nerves	Finishes	Reference photo
PV4	1000	50	4	Translucent Opal	
PV6	910	50	6	Translucent Opal	

Properties



It doesn't rust



Dielectric



Impact resistance



Flexible



Weather resistance



Compatible with metal sheets



High durability



Lightweight



UV filter



Light distribution and transmission



Variety of models



Variety of Colours



Environmental sustainability



Gratings

Gratings Manufactured under the standards of The American Composites Manufactures Association (Approved for the American National Standard)

Fiberglass Gratings

The Femoglas® (FRP) gratings have great resistance for aggressive environments. They are the most durable and reliable alternative, even under severe corrosion conditions.

Their design makes them 70% lighter than steel, making them an excellent alternative to conventional metal ones. Due to its lower installation cost, it requires less manpower hours and only simple installation manuals. Our technology allows varied models in our two manufacturing processes: pultrusion and injection moulding. Both processes can be manufactured in Polyester and/or Vinylester resins with fire retardant properties, complying with the ASTM E-84 Class 1 Standard. UV filter and colour are incorporated in the manufacturing process. The main uses are in floors, platforms - walkways, stairs - steps, passages, packing lines, decks, ramps and grids.

Molded Gratings

Model	Resin	Height (mm)	Netting (mm)	Approximate weight	Open surface	Nominal Dimension		
100 x 26 x 26	VI FR	26	100 x 26	12 kg/m²	68 %	1.00 x 3.00	Yellow	
19 x 19 x 30		30	19 x 19	14 kg/m²	52 %	1.00 x 4.00		
38 x 38 x 38		38	38 x 38	19 kg/m²	64 %	1.00 x 4.00		
						1.00 x 2.00		
						1.00 x 3.66		
38 x 38 x 30		30	38 x 38	15 kg/m²		1.00 x 3.66		
38 x 38 x 25		25	38 x 38	12 kg/m²		1.00 x 2.00		
38 x 38 x 13		13	38 x 38	7 kg/m²		1.00 x 3.66		

Molded Gratings with cover

Model	Resin	Height (mm)	Netting (mm)	Approximate weight	Open surface	Nominal Dimension	Colour	
100 x 26 x 30T	VI FR	30	100 x 26 c/tapa	13,8 kg/m ²	0 %	1.00 x 3.00	Yellow	
19 x 19 x 34T		34	19 x 19 c/tapa	16 kg/m ²		1.00 x 4.00		
38 x 38 x 42T		42	38 x 38 c/tapa	22 kg/m ²		1.00 x 4.00		
						1.00 x 2.00		
						1.00 x 3.66		
38 x 38 x 34T		34	38 x 38 c/tapa	17 kg/m ²		1.00 x 2.00		
38 x 38 x 29T		29	38 x 38 c/tapa	14 kg/m ²		1.00 x 2.00		
38 x 38 x 17T		17	38 x 38 c/tapa	9 kg/m ²		1.00 x 3.66		



Fiberglass Gratings

Pultruded Gratings

Model	Resin	Height (mm)	Netting (mm)	Approx. weight	Open surface	Nominal Dimension	Colour	
T-3232	VIFR/PN	32	32	15 kg/m ²	40 %	6.00 x 2.00	Yellow	
T-3238			38	13 kg/m ²	46 %			
T-3832		38	32	16 kg/m ²	40 %			
T-3838			38	14 kg/m ²	46 %			
T-6332		63	32	21 kg/m ²	40 %			
T-6338			38	18 kg/m ²	46 %			

Minimum production quantity 60m².

Models: T-3232 and T-3838 - in formats 1.22m x 3.66m and 1.22 x 6.00m

Reinforced Steps

Model	Resin	Height (mm)	Netting (mm)	Approx. weight	Open surface	Nominal Dimension	Colour	
T-3832	VI FR/PN	38	32	16 kg/m ²	40 %	6050 x 2000	Yellow	
T-3232		32	32	15 kg/m ²				

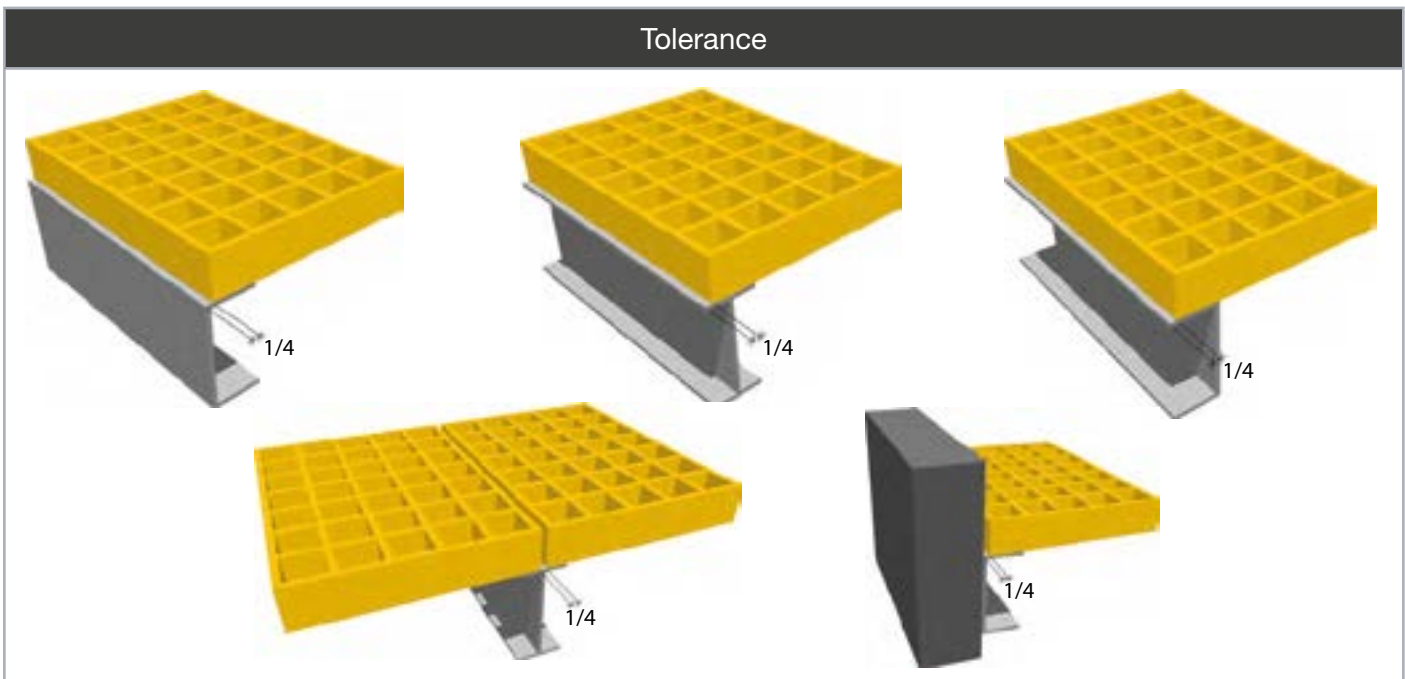
Properties

 It doesn't rust	 Dielectric	 Thermoset	 High Durability	 Easy Installation	 Low maintenance cost
 Less manpower	 Lightweight	 UV filter	 Resistance in corrosive	 Flame retardant	 Built-in Colour



Fiberglass Gratings

Bindings					
	MP	1	JI	OI	
Model					Reference photo
T - 3232 T - 3838 T - 6332 T - 6338 T - 3238 T - 3832					
19 x 19 x 30 38 x 38 x 30 38 x 38 x 30 100 x 26 x 26 38 x 38 x 25 38 x 38 x 13					
19 x 19 x 34T 38 x 38 x 42T 38 x 38 x 32T 100 x 26 x 30T 38 x 38 x 17T 38 x 38 x 29T					





Cable Trays

Cable Trays are designed under the Nema standard FG1 Fiberglass Cable Tray Systems



Fiberglass Cable Trays

The Femoglas® cable trays are composed of glass-fibre reinforced plastic (FRP) profiles, are manufactured by pultrusion with thermosetting resins, UV filtre and incorporated colour.

They are the ideal solution in projects that need elements with good mechanical resistance, low weight, dimensional stability, weather resistance (Polyester resin) or in corrosive environments (Vinylester resin), offering durability and years of performance with low maintenance cost. An excellent alternative to stainless steel and other more expensive materials that require constant maintenance.

The typical design of the ladders are classified for low (Standard), medium (Medium) and heavy duty (Heavy Duty) service work. The sticks and main profiles are made of the same material and are secured in place to prevent cable displacement.

Model	Standard (S)	Medium (M)	Heavy Duty (HD)	Color
Straight Cable Tray (ER)				Orange Grey Red
Horizontal Curve (CH)				Orange Grey Red
Interior Vertical Curve (CV)				Orange Grey Red
Straight Separator (SR)				Orange Grey Red



Fiberglass Cable Trays

Model	Standard (S)	Medium (M)	Heavy Duty (HD)	Color
Exterior Vertical Curve (CVE)				Orange Grey Red
Adjustable Vertical Curve (CVA)				Orange Grey Red
Horizontal Cross (CrH)				Orange Grey Red
Straight Splice Plate (PER)				Orange Grey Red

Fiberglass Cable Trays



Model	Standard (S)	Medium (M)	Heavy Duty (HD)	Color
Horizontal TE (TH)				Orange Grey Red
Concentric Reductions (RC)				Orange Grey Red
Eccentric Reductions (RE)				Orange Grey Red
Adjustable Horizontal Curve (CHA)				Orange Grey Red



Fiberglass Cable Trays

Model	Standard (S)	Medium (M)	Heavy Duty (HD)	Color
Horizontal Splice Plate 90° (PEH90)				Orange Grey Red
Horizontal Splice Plate 45° (PEH45)				Orange Grey Red
Vertical Splice Plate 90° (PEV90)				Orange Grey Red
Vertical Splice Plate 45° (PEV45)				Orange Grey Red

Properties					
It doesn't rust	Dielectric	Thermoset	High Durability	Low thermal conductivity	Weather resistance
Non-ductile	Lightweight	UV filtre	Orthotropic	Mechanical bonding	Built-in Colour



Structural

Shapes and Plate

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Fiberglass Structural Shapes and Plate

The structural shapes and plate of Femoglas® Fiberglass Reinforced Plastic (FRP), are an excellent alternative when other materials that do not have a good chemical performance. They are manufactured by pultrusion, with thermostable resins, UV filtre and built-in colour. They are ideal for using in projects that need elements with good mechanical resistance, low weight, dimensional stability, weather resistance (Polyester resin) or in corrosive environments (Vinylester resin). They offer durability and years of performance with low maintenance cost, which is an excellent alternative to stainless steel and other more expensive materials that require constant maintenance.

Type	Name	Height (mm)	Width (mm)	Weight (kg/m)	Reference photo
HN Profile	HN 100x100x6	100	100	3.24	
	HN 150x150x6	150	150	4.86	
	HN 150x150x10	150	150	8.10	
	HN 200x200x10	200	200	10.80	
	HN 200x200x12	200	200	12.96	
	HN 250x250x10	250	250	13.75	
	HN 300x300x12	300	300	19.44	
IN Profile	IN 100x50x6	100	50	2,16	
	IN 150x76x10	150	76	5,436	
	IN 200x100x10	200	100	7,2	
	IN 250x125x10	250	125	9	
	IN 250x125x12	250	125	10,8	
	IN 250x200x10	250	200	11,7	
	IN 300x150x12	300	150	12,96	
C Profile	C 50X30X3X3.2	50	30	0,58	
	C 60X50X5	60	50	1,35	
	C 85X30X5X3	85	30	1,04	
	C 100X30X6.35	100	30	1,68	
	C 150X41.3X6.35	150	41	2,51	
	C 200X55X10	200	55	5,22	
	C 250X70X12	250	70	7,91	
Angle Profile L	L 35X35X5	35	35	0,59	
	L 50X50X6	50	50	1,02	
	L 76X76X6	76	76	1,58	
	L 76X76X10	76	76	2,56	
	L 80X80X6	80	80	1,66	
	L 100X76X10	100	76	2,99	
	L 100X100X6	100	100	2,10	
	L 100X100X10	100	100	3,42	
	L 100X100X12	100	100	4,06	
	L 150X150X10	150	150	5,22	
Drawer Profile	[] 26X26X3	26	26	0,50	
	[] 40X40X6	40	40	1,47	
	[] 50X50X5	50	50	1,62	
	[] 70X70X4	70	70	1,90	
	[] 80X80X6	80	80	3,20	
	[] 100X100X7	100	100	4,69	



Fiberglass Structural Shapes and Plate

Type	Name	Height (mm)	Width (mm)	Weight (kg/m)	Reference photo
[o] Circular core drawer profile	[o] 26X26Xø19 [o] 70X70Xø30	26 70	26 70	0,71 7,55	
----- Plate profile	- 26 x 3 - 100 x 5 - 100 x 10 - 150 x 5 - 150 x 10	26 100 100 150 150	3 5 10 5 19	0,14 0,81 1,61 1,32 2,39	
O Tubular profile	O 10X2 O 50 x 3 O 63 x 3 O 76 x 7 O 100 x 4	10 50 63 76 100	2 3 3 7 4	0,09 1,08 1,32 1,95 1,74	
Full core tubular profile	• 8 • 10 • 26	8 10 26	8 10 26	0,10 0,15 1,07	

Properties

It doesn't rust

Dielectric

Thermoset

High Durability

Low thermal conductivity

Weather resistance

Non-ductile

Lightweight

UV filtre

Orthotropic

Mechanical

Built-in Colour