

GALLINA

The Right Connection

Polycarbonate Modular Panels and Sheets

Continuing Education



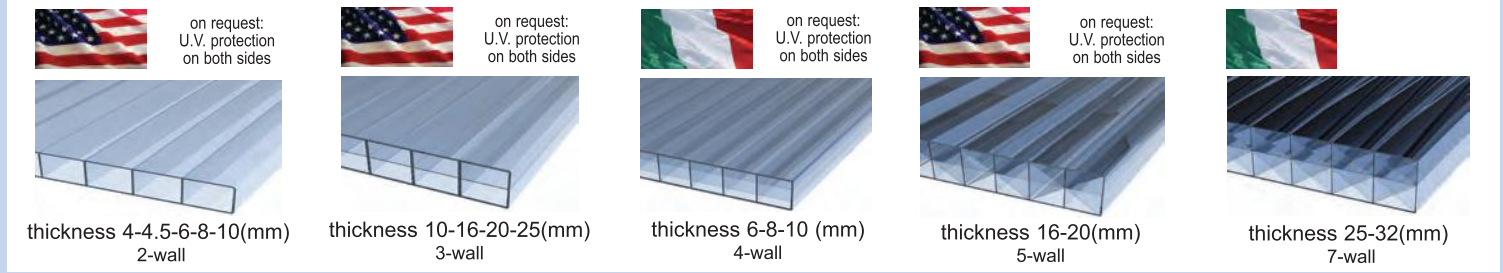
Gallina USA
is an AIA/CES Registered
Provider offering
Learning Units (HSW)



GALLINA USA 1-888-I-NEED GALLINA (463-3342)

www.gallinausa.com 4335 Capital Circle, Janesville, Wisconsin 53546

Multiple-wall coextruded polycarbonate sheets



PRODUCTION STANDARDS

Thickness (mm)	4	4.5	6	8	10	10	16	20	25	6	8	10	16RDC	20RDC	25	32
Thickness (in)	5/32	3/16	1/4	5/16	3/8	3/8	5/8	3/4	1"	1/4	5/16	3/8	5/8	3/4	1"	1-1/4"
Structure	2 LAYERS				3 LAYERS				4 LAYERS			5 LAYERS		7 LAYERS		
Width (ft)	USA made product available in 47.25", 48", 71.25" & 72" widths (Call for special cutting options); Italian made product sold in 82.68" width												47.25"			
Length (ft)	Made in USA Products: Limited to Transportation Requirements															
Weight (lb/ft ²)	0.164	0.205	0.266	0.307	0.348	0.430	0.553	0.650	0.665	0.286	0.317	0.358	0.522	0.635	0.655	0.716
R-Factor	1.471	1.471	1.639	1.724	1.923	2.128	2.500	2.632	2.941	1.887	2.083	2.273	2.778	3.030	3.846	4.167
U-Factor	0.68	0.68	0.61	0.58	0.52	0.47	0.40	0.38	0.34	0.53	0.48	0.44	0.36	0.33	0.26	0.24
Light transmission %																
Clear	85	84	80	81	82	74	74	75	72	79	79	79	65	65	63	62
Bronze	57	57	42	42	42	42	37	35	35				30	30	35	35
Opal	58	58	57	57	57	52	52	52	35	50	50	50	40	40	42	42
Opal 30%			30	30	30	30	30	30							30	30
Reflecto					48		48		38				35		37	35
Blue			53	53	48		45									
Green			54	54	54		42									
Solar factor %																
Clear	83	82	80	82	82	75	75	77	78	81	81	72	68	68	61	60
Bronze	66	66	66	70	75	57	57	57				50	50	50	50	
Opal	66	66	66	65	64	62	63	63	51	51	51	45	45	50	54	
Opal 30%			47	47	46	45	44	43						37	35	
Reflecto					45		45		45			40		43	43	
Blue			66	70	70		65									
Green			66	70	70		60									
Shading coefficient (SC)																
Clear	0.95	0.94	0.91	0.94	0.94	0.86	0.86	0.88	0.75	0.93	0.93	0.78	0.78	0.78	0.61	0.69
Bronze	0.76	0.76	0.76	0.80	0.86	0.65	0.65	0.65				0.57	0.57	0.57	0.57	
Opal	0.76	0.76	0.76	0.75	0.74	0.71	0.72	0.72	0.58	0.58	0.58	0.52	0.52	0.57	0.62	
Opal 30%			0.54	0.54	0.53	0.52	0.50	0.49						0.42	0.40	
Reflecto					0.52		0.52		0.52			0.46		0.59	0.49	
Blue			0.76	0.80	0.80		0.74									
Green			0.76	0.80	0.80		0.69									
Thermal Expansion	Allow 1/8" per 3' per 100' temperature differential for both length and width for Clear and Opal panels; 1/4" per 4' for Bronze panels.															
Fire reaction	On Request ASTM E84-01 (Flame Spread & Smoke Developed): CLASS 'A' for 6, 8, 10, & 16mm															

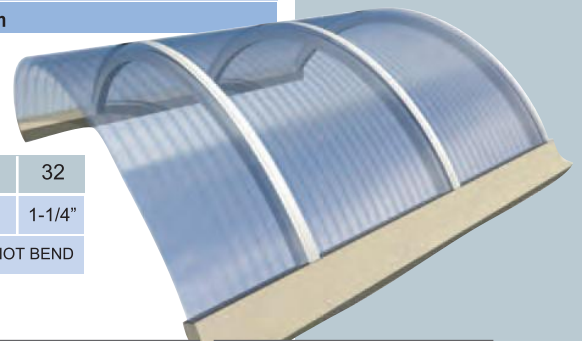
The external side of PoliCarb® is protected with a coextruded layer warranting resistance to aging due to atmospheric agents and U.V. rays.



Think 'Green' design

SHEET COLD BENDING

PoliCarb® can easily be used to build integral arc structures since its' fluted construction increases the rigidity of the sheet allowing bending along the ribs.



It is recommended not to go under the bending radius of the following chart.

thickness (mm)	4.5	6	8	10	10-3W	16	16RDC	20	20RDC	25	32
thickness (in)	3/16"	1/4"	5/16"	3/8"	3/8"	5/8"	5/8"	3/4"	3/4"	1"	1-1/4"
Min. radius of curvature (in)	30"	41"	55"	69"	79"	110"	138"	138"	157"	DO NOT BEND	

Indicates products that are Made in USA



arcoPlus®

Modular panels of coextruded multiwall polycarbonate for roofings and insulated windows

10 year Warranty

arcoPlus® 323
 Thickness: 20mm (0.78")
 Width: 13.11"; Weight (lb/ft²): 0.512

arcoPlus® 547
 Thickness: 40mm (1.57")
 Width: 19.68"; Weight (lb/ft²): 0.817

arcoPlus® 684-6104-6124
 Thickness: 8mm (0.315"), 10mm (0.394"), 12mm (0.472")
 Width: 23.78"
 Weight (lb/ft²): 8mm: 0.400; 10mm: 0.451; 12mm: 0.502
 min. bend radius 6.5 ft

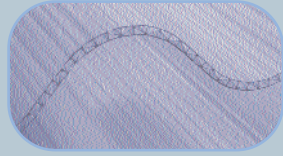
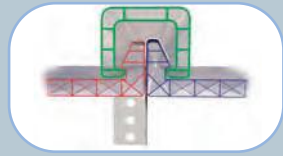
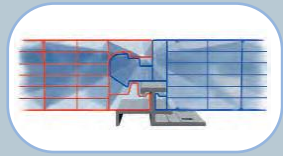
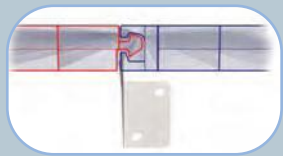
U.V. protection on both sides

arcoPlus® 626
 Thickness: 20mm (0.78")
 Width: 23.63"; Weight (lb/ft²): 0.655
 min. bend radius 13 ft

U.V. protection on both sides

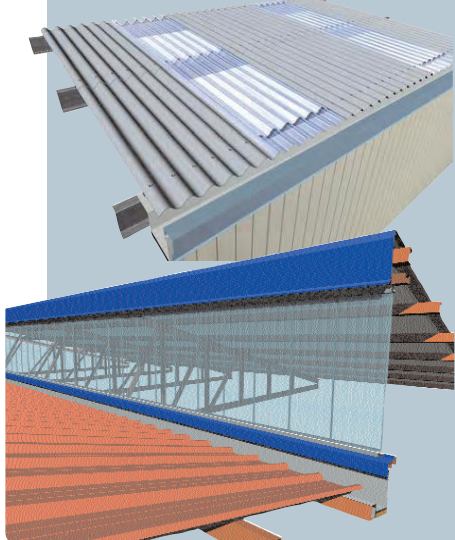
arcoPlus® 613
 Thickness: 10mm (0.39")
 Width: 23.82"; Weight (lb/ft²): 0.348

arcoPlus® Onda
 Thickness: 6mm (0.25") + 57mm (2.24")
 Width: 43.19"; Weight (lb/ft²): 0.409



PRODUCTION STANDARDS								
	323	547x	684	6104	6124	613	626	Onda
Thickness (mm)	20	40	8-25	10-27	12-29	10	20-37	6
Structure	3 LAYERS	7 LAYERS	4 LAYERS	4 LAYERS	4 LAYERS	3 LAYERS	6 LAYERS	3 LAYERS
Width (inches)	13.11	19.68	23.78	23.78	23.78	23.81	23.62	43.19
Length (ft)	Standard - 24'							
U-Factor (R=1/U)	0.404	0.188	0.475	0.44	0.40	0.475	0.264	0.580
Light Transmission %								
Satin Clear	78	67	72	72	72	76	65	80
Satin Green	70	60					48	
Satin Bronze	65	45	50	50	50		30	
Satin Opal	49	44	47	47	47	58	40	68
Solar Factor %								
Satin Clear	76	68	72	72	72	76	68	
Satin Green	67	57					53	
Satin Bronze	63	50	58	58	58		50	
Satin Opal	60	45	58	58	58	65	45	

Thermal Expansion: Allow 1/8" per 3' per 100°F temperature differential for both length and width for Clear and Opal panels; 1/4" per 4' for Bronze panels
Fire Reaction: (on request) ASTM D635-98; LINEAR BURN RATE (PARALLEL & CROSS SECTION): 0 (ZERO)!!!

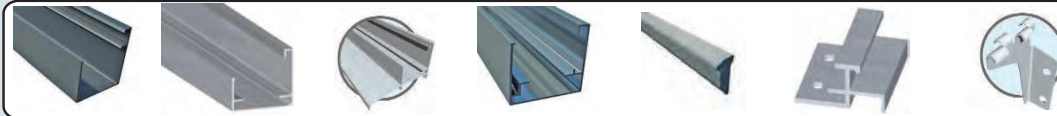


323



cod.4061 cod.4062 cod.4064 cod.1169/B cod.4063

547

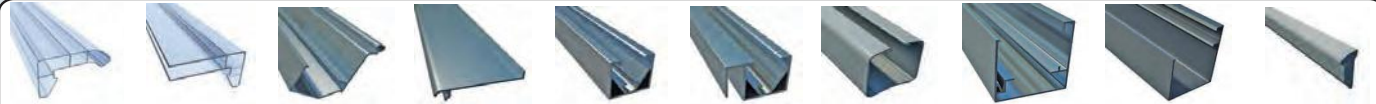


cod.4045 cod.4047 cod.4046 cod.4140 cod.1169/B cod.4050 cod.4052

684

6104

6124



8-10 cod.2147 8 cod.2148 cod.4245 cod.4252 cod.4243 cod.4244 32mm cod.4332 cod.4140 cod.4045 cod.1169/B
12 cod. 2245 10 cod.2265 62mm cod. 4333

684

6104

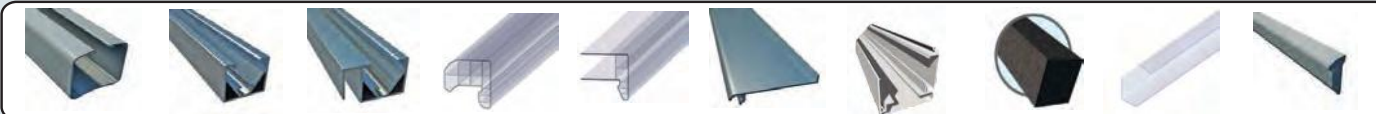
6124

Reverso



cod.2146 8-10 cod.2147 8 cod.2148 cod.4138 cod.4264 cod.4310 cod.4303 cod.4218
12 cod. 2245 10 cod. 2265 12 cod.2250

626



32mm cod.4332 cod.4243 cod.4244 cod.2179 cod.2180 cod.4252 cod.4271 cod.4213 cod.2182 cod.1169/B
62mm cod. 4333

626

Reverso



cod.2146 cod.2179 cod.2180 cod.4264 cod.4263 cod.4303 cod.4213 cod.2182 cod.4310 cod.4218

Onda



cod.4261 cod.4232 cod.4256

Polycarb® sheets can be complimented with a complete series of accessories that help the products adapt to a wide variety of uses.

Thickness (mm)	Length (in)	PROFILES "H" U.V. protected	Thickness (mm)	Length (in)	PROFILES "U"	PROFILES "R" U.V. protect	Thickness(mm)	Length (in)
4 - 6	288		4 - 6	288			8 - 10/16	288
cod. 1162/6000			cod. 1158/2100				cod. 2191/6000 - 2192/6000	
8 - 10	288		8 - 10	288		PROFILES "F" U.V. protect	Thickness(mm)	Length (in)
cod. 1164/6000			cod. 1160/2100				8 - 10/16	288
16	288		16 - 20	288			cod. 2193/6000 - 2194/6000	
cod. 1165/6000			cod. 1161/2100 - 2184/2100					WASHER WITH GASKET

USER GUIDE INFORMATION



Remove adhesive film protection after installation



Do not store stacked sheets in direct sunlight or rain.



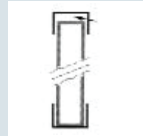
Use suitable silicone.



Apply aluminium adhesive tape.



Clean with water and neutral soap only.



Anticipate thermal expansion.