

ArcoPlus® polycarbonate sheet chambers sealed with aluminum tape are recommended in order to optimize ventilation and avoid dust accumulation.

324



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

547

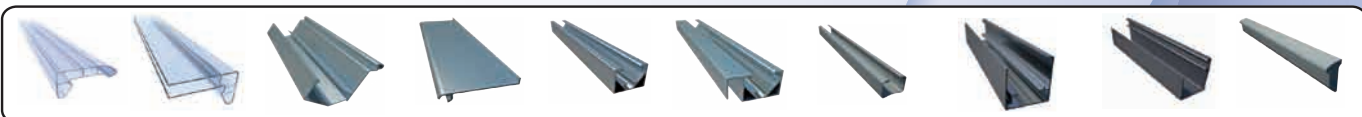


cod. 4045 cod. 4047 cod. 4046 cod. 4140 cod. 1169/B cod. 4050 cod. 4052

684

6104

6124



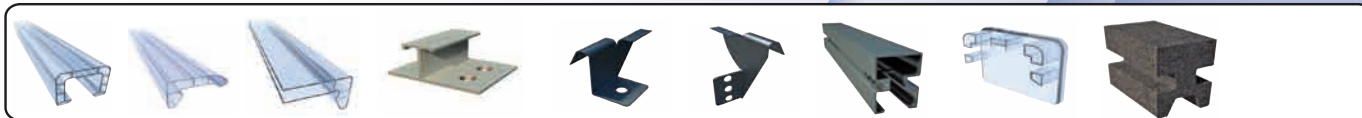
8-10 cod. 2147 8 cod. 2148 cod. 4245 cod. 4252 cod. 4243 cod. 4244 32mm cod. 4332 cod. 4140 cod. 4045 cod. 1169/B
12 cod. 2245 10 cod. 2265 62mm cod. 4333

684

6104

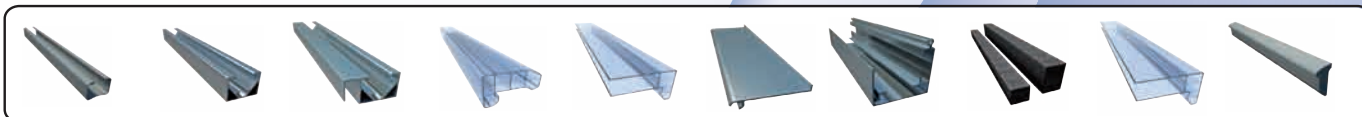
6124

Reverso



cod. 2146 8-10 cod. 2147 8 cod. 2148 cod. 4326 cod. 4138 cod. 4264 cod. 4310 cod. 4303 cod. 4218
12 cod. 2245 10 cod. 2265 4350 4355
12 cod. 2250 4355

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

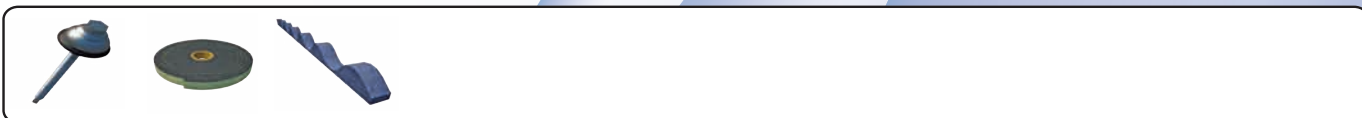
626

Reverso



cod. 2146 cod. 2179 cod. 2180 cod. 4264 cod. 4263 cod. 4303 cod. 4328 cod. 2182 cod. 4310 cod. 4218

Onda



cod. 4262 cod. 4232 cod. 4256

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

Thickness	Length	Profiles "H" U.V. Protected	Thickness	Length	Profiles "U" U.V. Protected	Profiles "R" U.V. Protected	Thickness	Length
4-6mm	288in		4-6mm	288in			8-10/16mm	288in
cod. 1162/6000			cod. 1158/2100				cod. 2191/6000-2192/6000	
8-10mm	288in		8-10mm	288in		Profiles "F" U.V. Protected	Thickness	Length
cod. 1164/6000			cod. 1160/2100				8-10/16mm	288in
16mm	288in		16-20mm	288in			cod. 2193/6000-2194/6000	
cod. 1165/6000			cod. 1161/2100 2184/2100				Washer With Gasket	

USER GUIDE INFORMATION



THE LEADERS IN POLYCARBONATE SHEET AND GLAZING SYSTEMS

POLYCARBONATE

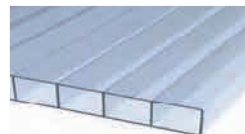
PoliCarb®

Multiwall coextruded polycarbonate sheets

10 year Warranty



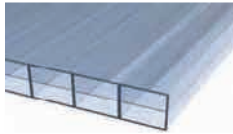
On request: U.V. protection on both sides



Thickness 4-4.5-6-8-10(mm)
2-wall



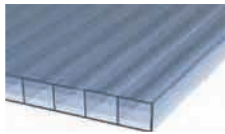
On request: U.V. protection on both sides



Thickness 8-10-16-20-25(mm)
3-wall



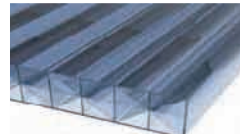
Special Order



Thickness 6-8-10(mm)
4-wall



On request: U.V. protection on both sides



Thickness 16-20(mm)
5-wall



Special Order



Thickness 25-32-40(mm)
7-wall

PRODUCTION STANDARDS

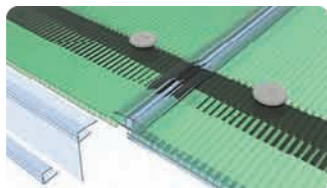
Thickness (mm)	4	4.5	6	8	10	8	10	16	20	25	6	8	10	16RDC	25	32	40	
Thickness (in)	5/32	3/16	1/4	5/16	3/8	5/16	3/8	5/8	3/4	1	1/4	5/16	3/8	5/8"	1"	1-1/4"	1-9/16"	
Structure	2 LAYERS					3 LAYERS				4 LAYERS			5 LAYERS		7 LAYERS			
Width (ft)	USA made products available in 47.25', 48', 71.25', & 72' widths (Call for special cutting options); Italian made products sold in 86.68' width															49.25"		
Length (ft)	Made in USA Products: Limited to Transportation Requirements																	
Weight (lb/ft²)	0.164	0.205	0.266	0.307	0.348	0.348	0.430	0.553	0.650	0.665	0.286	0.317	0.358	0.522	0.655	0.716	0.799	
R-Value	1.471	1.471	1.639	1.724	1.923	1.923	2.128	2.500	2.632	2.941	1.887	2.083	2.273	2.778	3.846	4.167	5.16	
U-Value	0.680	0.680	0.610	0.580	0.520	0.520	0.470	0.400	0.380	0.340	0.530	0.480	0.440	0.360	0.260	0.240	0.194	
VISIBLE LIGHT TRANSMISSION (%)																		
Clear	0.85	0.84	0.80	0.81	0.82	0.76	0.74	0.74	0.75	0.72	0.79	0.79	0.79	0.65	0.63	0.62	0.55	
Bronze	0.57	0.57	0.42	0.42	0.42		0.42	0.37	0.35	0.35				0.30	0.35	0.35		
Opal	0.58	0.58	0.57	0.57	0.57		0.52	0.52	0.52	0.35	0.50	0.50	0.50	0.40	0.42	0.42	0.35	
Opal 30%			0.30	0.30	0.30		0.30	0.30	0.30						0.30	0.30		
Reflecto					0.48			0.48		0.38				0.35	0.37	0.35	0.33	
Blue			0.53	0.53	0.48			0.45										
Green			0.54	0.54	0.54			0.42										
SOLAR HEAT GAIN COEFFICIENCY (SGHC)																		
Clear	0.83	0.82	0.80	0.82	0.82	0.78	0.75	0.75	0.77	0.78	0.81	0.81	0.72	0.68	0.61	0.60		
Bronze	0.66	0.66	0.66	0.70	0.75		0.57	0.57	0.57				0.50	0.50	0.50			
Opal	0.66	0.66	0.66	0.65	0.64		0.62	0.63	0.63	0.51	0.51	0.51	0.45	0.45	0.54			
Opal 30%			0.47	0.47	0.46		0.45	0.44	0.43						0.35			
Reflecto					0.45			0.45					0.40		0.43			
Blue			0.66	0.70	0.70			0.65										
Green			0.66	0.70	0.70			0.60										
SHADING COEFFICIENT (SC)																		
Clear	0.95	0.94	0.91	0.94	0.94	0.90	0.86	0.86	0.88	0.75	0.93	0.93	0.78	0.78	0.71	0.70	0.68	
Bronze	0.76	0.76	0.76	0.80	0.86		0.65	0.65	0.65				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	0.52	0.49	0.45	
Opal 30%			0.54	0.54	0.53		0.52	0.50	0.49						0.40			
Reflecto					0.52			0.52					0.46		0.46	0.46	0.40	
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 100F 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																		
IBC 803: FINISH	A		A		A		A		A		A		A		A		A	
IBC 2606: PLASTICS	CC1		CC1		CC1		CC1		CC1		CC1		CC1		CC1		CC1	

It is not recommended to go under the bending radius of the chart below:

Thickness (mm)	4.5	6	8	10	10-3W	16	16RDC	20	20RDC	25	32	40
Thickness (mm)	3/16"	1/4"	5/16"	3/8"	3/8"	5/8"	5/8"	3/4"	3/4"	1"	1-1/4"	1-9/16"
Min. radius of curvature (in)	30"	41"	55"	69"	79"	110"	138"	138"	157"	DO NOT BEND		

Indicates products that are made in the U.S.A.

Indicates products that are made in Italy



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.



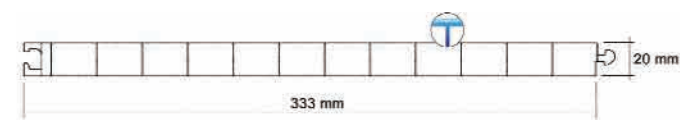
arcoPlus®

Modular panels of coextruded multiwall polycarbonate for roofings and insulated windows

10 year Warranty

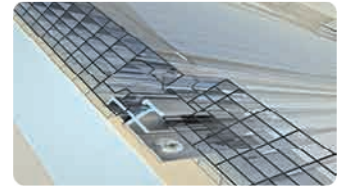
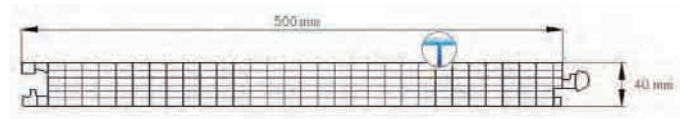
arcoPlus® 324

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



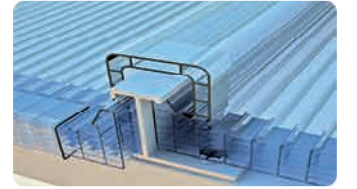
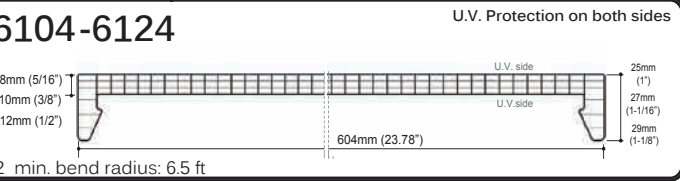
arcoPlus® 547

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



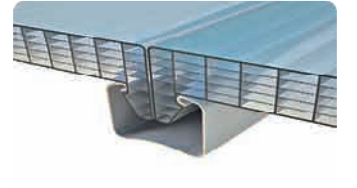
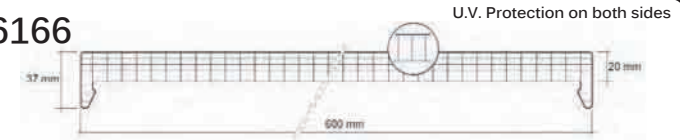
arcoPlus® 684-6104-6124

Thickness: 8mm (0.315")
-10mm (0.394")
-12mm (0.472")
Weight (lb/ft²): 8mm: 0.400; 10mm: 0.451; 12mm: 0.502 min. bend radius: 6.5 ft



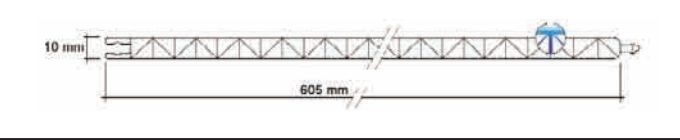
arcoPlus® 626/6166

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



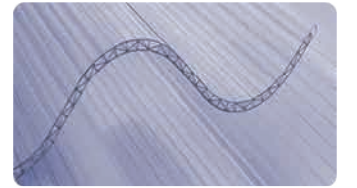
arcoPlus® 613

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								
Structure	547x 7 LAYERS	684 4 LAYERS	6104 4 LAYERS	6124 4 LAYERS	626 6 LAYERS	324 3 LAYERS	613 3 LAYERS	Onda 3 LAYERS
Thickness (mm)	40	8-25	10-27	12-29	20-37	20	10	6
Width (inches)	19.68	23.78	23.78	23.78	23.62	13.11	23.81	43.19
Length (ft)	Limited To Transportation Requirements					39ft	39 ft	
U-factor (R=1/U)	0.188	0.475	0.44	0.40	0.264	0.404	0.475	0.580
Light Transmission %								
Satin Clear	67	72	72	72	65	78	76	80
Satin Green	60				48	70		
Satin Bronze	45	50	50	50	30	65		
Satin Opal	44	47	47	47	40	49	58	68
Solar Heat Gain Coefficient (SHGC)								
Satin Clear	0.68	0.72	0.72	0.72	0.68	0.76	0.76	
Satin Green	0.57				0.53	0.67		
Satin Bronze	0.50	0.58	0.58	0.58	0.50	0.63		
Satin Opal	0.45	0.58	0.58	0.58	0.45	0.60	0.65	
IR	X	X	X	X	X			
AR	X	X	X	X	X			
Thermal Expansion: Allow 1/8" per 3' per 100F 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; LINEAR BURN RATE 0 (ZERO)!!!= CLASS CC1 per IBC 2606.4								



ArcoPlus® panels can be colored to modulate the light transmission and to optimize the shadow effect, thereby allowing for reduced heating.



All products from the IR line offer innovative solutions for typical building applications where high levels of light are wanted while reducing the transfer of heat.



In situations where high efficiency of light transmission within a building is required; the AR treatment will facilitate a better distribution of light reducing reflections and glare.