



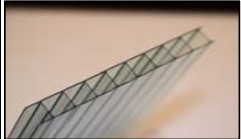


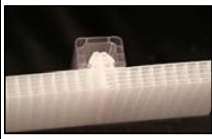

# Polycarbonate Performance Matrix<sup>®</sup>

TM

40442 Koppernick Rd.  
 Canton, MI 48187  
 734-207-9700  
[www.duo-gard.com](http://www.duo-gard.com)

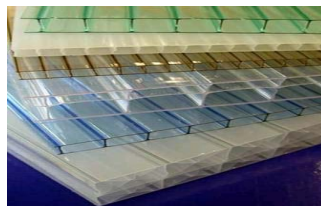
**Standard Widths:**

Flat Sheet                    6-16mm - 48", 72", 83", 25mm - 47.25", 48", 72"  
 Batten                         8mm - 23.78", 20mm 23.63"  
 Tongue & Groove         10mm - 23.82", 20mm - 19.89", 40mm - 19.70"  
**Standard Lengths:**        24', 39' Available as a custom quote

STANDARD SHEETS	Twin-Wall			Triple-Wall			X-Wall (high load)			Batten		Tongue & Groove			
															
Number of Layers	2			3			5	5	7	4	6	3	6	7	6
Sheet mm	6	8	10	10	16	25	16	25	25	8	20	10	20	40	40
Thickness in	1/4"	5/16"	3/8"	3/8"	5/8"	1"	5/8"	1"	1"	5/16"	25/32"	3/8"	25/32"	1-9/16"	1-9/16"
Weight	.266	.307	.308	.430	.553	.665	.522	.700	.655	.450	.655	.348	.512	.717	.819
U-Value	.61	.58	.52	.47	.40	.34	.37	.26	.24	.48	.26	.48	.35	.19	.26
With Nanogel		.39	.33		.23	.18								.10	.09
R-Value	1.64	1.72	1.92	2.13	2.50	2.94	2.7	3.85	4.17	2.08	3.85	2.08	4	5.26	3.85
With Nanogel		2.56	3.03		4.35	5.7								10	11.11
Min. Bending Radius	41"	55"	69"	69"	110"	173"	137"			78"	156"				
Light Transmission															
(%) Clear	80	81	82	74	74	72	65	57	69	72	65	76	68	68	59
With Nanogel		66	64		50									33	
(%) Bronze	51	65	65	41	37	35	30		35	50	30			50	
(%) Opal	57	57	57	52	52	35	40	49	42	47	40	65	47	45	50
Shading Coefficient (SC)															
Clear	0.91	0.94	0.94	0.86	0.86	0.75	0.78	0.75	0.61	0.82	0.78	0.87		0.78	0.73
With Nanogel		0.77	0.73		0.5										0.52
Bronze	0.76	0.8	0.86	0.65	0.65		0.57		0.57	0.67	0.57				
Opal	0.76	0.75	0.74	0.71	0.72	0.58	0.52	0.62	0.62	0.67	0.51	0.74		0.51	0.66

**Standard Colors:**

- Bronze
- Opal
- Clear
- Blue\*
- Green\*



\*based on availability