

## Product Specifications

	PLY	MIL	VL	TSER	LE	SC	SHGC	T	R	A	VLR-I	VLR-E	UVR	GR	U	E	
					Visible Light Transmission	Total Solar Energy Rejected	Luminous Efficacy	Shading Coefficient	Solar Heat Gain Coefficient	Total Solar Transmittance	Total Solar Reflectance	Visible Light Absorbance	Visible Light Reflectance (Int)	UV Rejected	Glare Reduction	Winter Median U-Value	Emissivity
<b>Ceramic - Limited Warranty: Lifetime Color Stable</b>																	
QDP Ceramic 86	2	2	86	27	1.04	0.83	0.71	65	8	27	9	9	>99	6	1.03	0.83	
QDP Ceramic 80	2	2	78	42	1.16	0.67	0.57	45	8	47	9	9	>99	14	1.03	0.83	
QDP Ceramic 70	2	2	70	49	1.19	0.59	0.50	35	7	58	8	8	>99	30	1.11	0.87	
QDP Ceramic 50	2	2	51	51	0.91	0.56	0.48	32	6	62	7	7	>99	44	1.12	0.88	
QDP Ceramic 46	2	2	46	52	0.84	0.55	0.47	30	6	64	7	7	>99	54	1.12	0.88	
QDP Ceramic 42	2	2	42	53	0.78	0.54	0.46	28	6	66	7	7	>99	54	1.12	0.88	
QDP Ceramic 38	2	2	38	56	0.75	0.51	0.43	25	6	69	7	7	>99	58	1.12	0.88	
QDP Ceramic 33	2	2	32	58	0.65	0.49	0.42	23	6	71	7	7	>99	65	1.12	0.88	
QDP Ceramic 18	2	2	18	65	0.45	0.40	0.34	16	6	78	6	6	>99	82	1.12	0.88	
QDP Ceramic 05	2	2	4	66	0.10	0.39	0.33	11	6	83	6	6	>99	96	1.12	0.88	
<b>High Performance - Limited Warranty: Lifetime Color Stable</b>																	
HP Charcoal Premium 50	2	1.5	54	36	0.72	0.75	0.64	54	7	39	7	7	>99	41	1.13	0.87	
HP Charcoal Premium 45	2	1.5	44	40	0.63	0.70	0.60	48	8	44	7	7	>99	52	1.12	0.85	
HP Charcoal Premium 40	2	1.5	39	42	0.57	0.68	0.58	45	7	48	7	6	>99	57	1.12	0.85	
HP Charcoal Premium 30	2	1.5	28	43	0.42	0.67	0.57	43	6	51	5	4	>99	69	1.13	0.88	
HP Charcoal Premium 20	2	1.5	20	52	0.36	0.56	0.48	32	9	59	9	5	>99	78	1.09	0.79	
HP Charcoal Premium 10	2	1.5	10	54	0.19	0.54	0.46	29	8	63	8	4	>99	89	1.10	0.81	
HP Charcoal Premium 05	2	1.5	5	61	0.11	0.46	0.39	21	12	67	5	5	>99	95	1.06	0.73	
<b>Non Reflective - Limited Warranty: Lifetime Color Stable</b>																	
NR Quick Dry Plus 55	2	1.5	55	29	0.67	0.82	0.70	62	6	32	5	5	>99	40	1.12	0.89	
NR Quick Dry Plus 50	2	1.5	48	31	0.59	0.81	0.69	60	5	35	4	4	>99	47	1.12	0.89	
NR Quick Dry Plus 40	2	1.5	39	35	0.51	0.76	0.65	56	5	39	4	4	>99	57	1.12	0.89	
NR Quick Dry Plus 35	2	1.5	35	34	0.46	0.76	0.65	55	6	39	4	4	>99	62	1.12	0.89	
NR Quick Dry Plus 30	2	1.5	30	35	0.39	0.76	0.65	54	6	40	4	4	>99	67	1.14	0.89	
NR Quick Dry Plus 20	2	1.5	19	40	0.27	0.71	0.60	48	5	47	4	3	>99	79	1.12	0.89	
NR Quick Dry Plus 15	2	1.5	15	43	0.22	0.67	0.57	44	6	50	5	5	>99	84	1.12	0.89	
NR Quick Dry Plus 05	2	1.5	4	44	0.06	0.66	0.56	41	5	54	4	3	>99	96	1.12	0.89	
<b>Non Reflective - Limited Warranty: 3-Year</b>																	
NR Quick Dry 70	1	1	72	26	0.83	0.87	0.74	70	9	21	6	7	>99	21	1.13	0.86	
NR Quick Dry 50	1	1	52	30	0.63	0.82	0.70	63	6	31	6	7	>99	43	1.14	0.86	
NR Quick Dry 40	1	1	38	35	0.50	0.76	0.65	55	6	39	6	6	>99	58	1.14	0.86	
NR Quick Dry 30	1	1	30	38	0.41	0.73	0.62	52	6	42	6	7	>99	67	1.14	0.86	
NR Quick Dry 20	1	1	21	40	0.30	0.71	0.60	48	6	46	6	6	>99	77	1.15	0.86	
NR Quick Dry 05	1	1	6	41	0.09	0.69	0.59	45	7	48	6	6	>99	93	1.12	0.85	

Published values are generated from films tested on 1/8" (3mm) thick clear glass. These values are representative of typical production runs, subject to normal manufacturing tolerances within industry standards.

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	Visible Light Transmission	Total Solar Energy Rejected	Luminous Efficacy	Shading Coefficient	Solar Heat Gain Coefficient	Total Solar Transmittance	Total Solar Reflectance	Visible Light Absorbance	Visible Light Reflectance (Int)	UV Rejected	Glare Reduction	Winter Median U-Value	Emissivity	
	VLТ	TSER	LE	SC	SHGC	T	R	A	VLR-I	VLR-E	UVR	GR	U	E
<b>Spectrally Selective: Residential Life - Commercial 12-Year</b>														
Transcend 80	78	42	1.15	0.67	0.58	45	8	47	9	9	>99	14	1.03	0.83
<b>Dual Reflective: Residential Life - Commercial 12-Year</b>														
Ceramic Dual Reflective 45	45	51	0.79	0.57	0.48	36	14	50	13	15	>99	51	0.99	0.83
Ceramic Dual Reflective 35	35	58	0.73	0.48	0.41	29	24	47	14	25	>99	61	0.98	0.81
Ceramic Dual Reflective 25	23	69	0.64	0.36	0.31	19	36	45	17	40	>99	74	0.96	0.77
Ceramic Dual Reflective 15	15	75	0.52	0.29	0.25	13	44	43	21	47	>99	84	0.94	0.75
Ceramic Dual Reflective 05	7	82	0.35	0.20	0.18	7	54	39	14	65	>99	92	0.92	0.71
<b>Reflective: Residential Life - Commercial 10-Year</b>														
Silver Reflective 15	16	79	0.64	0.25	0.21	12	54	34	62	62	>99	82	0.94	0.71
<b>Specialty Decorative: Residential Life - Commercial 10-Year</b>														
Specialty Blackout	0	85	0.00	0.18	0.15	0	41	59	3	13	>99	100	1.00	0.63
Specialty Whiteout	17	79	0.68	0.25	0.21	12	47	41	71	72	>99	83	1.12	0.85
Specialty Matte White	68	31	0.84	0.81	0.69	61	9	30	9	10	>99	32	1.09	0.85
Specialty Matte Bronze	35	45	0.54	0.65	0.55	43	11	46	8	9	>99	62	1.14	0.86
Specialty Matte Grey	35	45	0.54	0.65	0.55	43	11	46	9	10	>99	62	1.14	0.86
Specialty Matte Silver	19	75	0.66	0.29	0.25	15	47	38	38	54	>99	79	1.05	0.70
<b>Specialty Decorative Graphic Colors - Limited Warranty: Residential &amp; Commercial 5-Year</b>														
Graphic Blue	38	35	0.50	0.76	0.65	55	7	38	5	7	>99	58	1.14	0.86
Graphic Green	36	39	0.50	0.72	0.61	50	7	43	7	7	>99	60	1.13	0.86
Graphic Red	23	32	0.29	0.80	0.68	59	6	35	4	4	>99	75	1.13	0.89
Graphic Yellow	83	23	0.92	0.90	0.77	72	6	22	7	7	>99	9	1.13	0.89

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