

## VISION SOLAR SERIES SPEC SHEET

Part #	Product Description	VISIBLE LIGHT			TOTAL SOLAR ENERGY			U.V. Rejection	Heat Rejection TSER	I.R. Rejection 780-2500mm	Shading Coefficient	SHGC	U Factor	Emmissivity	Glare Reduction
		VLT	Reflectivity Exterior	Reflectivity Interior	Energy Transferred	Energy Reflected	Energy Absorbed								
<b>SPECIALTY SERIES</b>															
XVASI65	All Season Intelligence 65 PS	66	12	4	42	28	30	99	52	89	0.56	0.48	0.61	0.09	24
	DUAL PANE	64	18	8	36	26	38	99	51	89	0.56	0.49	0.34	0.09	24
XVAS45	All Season 45 PS	51	25	27	35	30	35	99	57	83	0.50	0.43	0.78	0.39	43
	DUAL PANE	47	28	29	31	28	41	99	53	83	0.55	0.47	0.40	0.37	42
<b>CLEAR VIEW</b>															
XVCPV70	Clear View Plus 70% PS	72	8	8	40	31	29	99	55	94	0.52	0.45	0.90	0.77	20
	DUAL PANE	64	15	12	38	29	33	99	51	94	0.56	0.49	0.47	0.77	20
XVCPV55	Clear View Plus 55% PS	58	7	7	34	29	37	99	57	94	0.50	0.43	0.90	0.78	34
	DUAL PANE	53	14	11	30	27	44	99	51	94	0.57	0.49	0.47	0.78	34
XVCPV40	Clear View Plus 40% PS	40	6	7	26	25	49	99	62	94	0.44	0.38	0.89	0.75	53
	DUAL PANE	38	13	8	24	27	55	99	52	94	0.55	0.48	0.47	0.77	53
XVCPV20	Clear View Plus 20% PS	21	5	5	18	25	57	99	67	90	0.38	0.33	0.94	0.66	77
	DUAL PANE	19	13	6	15	24	61	99	53	90	0.54	0.47	0.45	0.66	77
XVVAL65	Clear View Alloy 65 PS	65	16	16	46	23	31	99	44	70	0.65	0.56	1.00	0.76	29
	DUAL PANE	58	23	20	41	23	36	99	42	70	0.67	0.58	0.47	0.76	29
XVVAL50	Clear View Alloy 50 PS	49	26	24	35	32	33	99	57	82	0.49	0.43	0.95	0.69	45
	DUAL PANE	45	30	26	30	30	40	99	51	82	0.56	0.49	0.46	0.69	44
XVVAL40	Clear View Alloy 40 PS	41	33	29	28	38	34	99	64	88	0.41	0.36	0.95	0.68	54
	DUAL PANE	38	36	31	24	34	42	99	56	88	0.50	0.44	0.46	0.68	53
XVVAL25	Clear View Alloy 25 PS	24	35	35	17	44	39	99	74	92	0.30	0.26	0.95	0.67	75
	DUAL PANE	21	40	40	13	42	45	99	66	92	0.39	0.34	0.45	0.67	75
XVCLV60	Clear View Ceramic 60 PS	61	11	9	49	13	38	99	41	58	0.68	0.59	0.94	0.85	32
	DUAL PANE	56	18	12	42	16	42	99	38	58	0.72	0.62	0.48	0.85	32
XVCLV50	Clear View Ceramic 50 PS	51	12	11	40	15	45	99	48	68	0.60	0.52	0.93	0.83	44
	DUAL PANE	46	19	13	33	18	49	99	41	68	0.68	0.59	0.48	0.83	43
XVCLV35	Clear View Ceramic 35 PS	35	16	15	27	22	51	99	61	83	0.45	0.39	1.01	0.84	61
	DUAL PANE	32	22	17	22	22	56	99	50	83	0.57	0.50	0.48	0.79	60
<b>NEUTRAL</b>															
XVNDAY50	Daylight 50 PS	52	12	12	51	10	39	99	43	48	0.66	0.57	1.07	0.89	46
	DUAL PANE	44	19	13	37	16	47	99	38	48	0.72	0.62	0.49	0.89	46
XVNDAY28	Daylight 28 PS	25	26	26	23	23	54	99	64	76	0.41	0.36	1.04	0.84	74
	DUAL PANE	22	32	36	15	25	60	99	51	76	0.56	0.49	0.48	0.83	80
XVDN25	Dark Neutral 25 DA	27	20	12	29	22	49	99	57	58	0.50	0.43	0.96	0.75	70
	DUAL PANE	26	25	13	26	20	54	99	47	58	0.61	0.53	0.47	0.76	71
XVDN15	Dark Neutral 15 DA	12	20	13	18	30	52	99	70	75	0.35	0.30	0.95	0.70	86
	DUAL PANE	10	24	14	15	28	57	99	57	75	0.49	0.43	0.46	0.71	90

SINGLE PANE GLASS SPECIFICATIONS

DUAL PANE GLASS SPECIFICATIONS

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		VLT	Reflectivity Exterior	Reflectivity Interior	Energy Transferred	Energy Reflected	Energy Absorbed								
<b>METALLIC</b>															
XVEVE45	Evening View 45 DA	46	8	8	50	10	40	99	37	43	0.73	0.63	1.05	0.87	50
	DUAL PANE	41	15	10	43	13	44	99	34	43	0.76	0.66	0.48	0.84	54
XVEVE35	Evening View 35 DA	37	13	8	41	15	44	99	44	58	0.64	0.56	1.02	0.81	59
	DUAL PANE	34	19	10	35	18	47	99	40	58	0.69	0.60	0.48	0.81	62
XVEVE25	Evening View 25 DA	26	27	13	29	28	43	99	61	71	0.45	0.39	0.99	0.74	69
	DUAL PANE	25	31	15	24	28	48	99	52	71	0.55	0.48	0.47	0.74	72
XVEVE15	Evening View 15 DA	15	49	22	13	48	39	99	76	82	0.28	0.24	0.96	0.69	83
	DUAL PANE	13	52	23	13	41	46	99	65	82	0.40	0.35	0.46	0.69	85
XVOWY	Evening View 5 DA	8	57	15	9	54	37	99	81	88	0.22	0.19	0.96	0.69	92
	DUAL PANE	8	58	16	9	46	45	99	70	88	0.35	0.30	0.46	0.69	92
XVBDR37	Blend DR 37 PS	40	13	10	39	18	43	99	51	67	0.58	0.49	0.98	0.75	56
	DUAL PANE	36	20	11	32	22	46	99	46	67	0.64	0.54	0.47	0.75	56
XVBDR27	Blend DR 27 PS	33	20	13	29	26	45	99	61	80	0.45	0.39	0.99	0.45	65
	DUAL PANE	29	27	14	23	29	48	99	54	80	0.55	0.46	0.47	0.75	65
XVBDR17	Blend DR 17 PS	13	45	21	11	46	43	99	79	90	0.26	0.21	0.99	0.75	87
	DUAL PANE	11	46	23	8	43	49	99	69	90	0.36	0.31	0.47	0.75	86
XVBDR7	Blend DR 7 PS	6	43	8	7	46	47	99	82	92	0.21	0.18	0.98	0.75	94
	DUAL PANE	5	47	8	5	44	51	99	70	92	0.35	0.30	0.47	0.75	94
XVSVR50	Silver 50 PS	50	24	24	37	27	36	99	52	78	0.55	0.48	1.00	0.77	41
	DUAL PANE	48	28	24	34	24	42	99	46	78	0.62	0.54	0.47	0.77	53
XVSVR15	Silver 15 PS	17	58	58	13	51	36	99	78	92	0.25	0.22	0.97	0.70	82
	DUAL PANE	17	56	56	10	46	44	99	70	92	0.35	0.30	0.46	0.70	81
XVBRZ40	Bronze 40 PS	31	30	30	18	46	36	99	71	78	0.35	0.29	0.97	0.72	65
	DUAL PANE	28	32	31	15	33	52	99	61	78	0.45	0.39	0.46	0.72	64
XVBRZ25	Bronze 25 PS	22	37	37	12	49	39	99	77	84	0.27	0.23	0.94	0.66	74
	DUAL PANE	21	37	37	10	35	55	99	66	84	0.39	0.34	0.45	0.65	73
<b>EXTERIOR</b>															
XVEXCP75	Exterior Clear Performance 75 PS	78	8	8	42	7	51	99	42	81	0.67	0.58	1.04	0.87	13
	DUAL PANE	71	14	16	39	8	53	99	53	81	0.54	0.47	0.51	0.87	13
XVEXN40	Exterior Neutral 40 PS	40	17	17	38	16	46	99	50	54	0.58	0.50	1.04	0.87	57
	DUAL PANE	35	19	21	32	18	50	99	60	54	0.47	0.40	0.48	0.87	56
XVEXN20	Exterior Neutral 20 PS	12	41	36	11	39	50	99	76	80	0.27	0.24	1.04	0.80	62
	DUAL PANE	11	41	36	10	39	51	99	84	80	0.18	0.16	0.48	0.69	62
XVEXS15	Exterior Silver 15 PS	18	59	56	16	61	23	99	78	92	0.26	0.22	1.02	0.78	81
	DUAL PANE	17	66	61	11	65	24	99	85	92	0.18	0.15	0.48	0.68	81
XVEXBDR7	Exterior Blend DR 7 PS	5	64	15	7	60	33	99	88	94	0.14	0.12	1.03	0.71	95
	DUAL PANE	4	60	20	5	61	34	99	91	94	0.10	0.09	0.47	0.71	95

SINGLE PANE GLASS SPECIFICATIONS

DUAL PANE GLASS SPECIFICATIONS

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## VISION SAFETY & SECURITY SERIES SPEC SHEET

Part #	Product Description	VISIBLE LIGHT			TOTAL SOLAR ENERGY			U.V. Rejection	Heat Rejection TSER	I.R. Rejection 780-2500nm	Shading Coefficient	SHGC	U Factor	Emmissivity	Glare Reduction
		VLT	Reflectivity Exterior	Reflectivity Interior	Energy Transferred	Energy Reflected	Energy Absorbed								
<b>SECURITY CLEAR</b>															
XVSC4M	Security Clear 4mil PS	89	9	9	80	8	12	99	17	N/A	0.95	0.83	1.04	0.92	0
XVSC8M	Security Clear 8mil PS	89	9	9	79	8	13	99	18	N/A	0.94	0.82	1.03	0.89	1
XVSC14M	Security Clear 14mil PS	88	9	9	78	9	13	99	19	N/A	0.93	0.81	1.02	0.88	2
XVSCVPL8M7	Security 8 mil Clear View Plus 70	73	9	9	40	26	34	99	51	94	0.56	0.49	1.01	0.79	20
	DUAL PANE	65	16	14	32	28	40	99	49	94	0.59	0.51	0.47	0.79	20
XVSN8M50	Security 8mil Neutral 50 PS	55	12	12	45	12	43	99	41	48	0.68	0.59	1.06	0.88	51
	DUAL PANE	40	20	13	32	16	52	99	39	48	0.70	0.61	0.48	0.88	51
XVSN8M35	Security 8mil Neutral 35 PS	38	16	13	39	13	49	99	50	58	0.57	0.50	1.05	0.88	58
	DUAL PANE	35	22	14	29	17	54	99	42	58	0.67	0.58	0.48	0.88	57
XVSS8M15	Security 8mil Silver 15 PS	15	56	56	12	51	37	99	79	92	0.24	0.21	0.96	0.70	84
	DUAL PANE	14	59	59	9	45	46	99	70	92	0.35	0.30	0.46	0.70	83
<b>ANTI-GRAFFITI</b>															
XVSG4M	Anti-Graffiti 4mil PS	89	9	9	80	8	12	99	17	N/A	0.95	0.83	1.04	0.95	1
XVSG6M	Anti-Graffiti 6mil PS	89	9	9	80	8	12	99	17	N/A	0.95	0.83	1.04	0.95	1

SINGLE PANE GLASS SPECIFICATIONS

DOUBLE PANE GLASS SPECIFICATIONS

PHYSICAL PROPERTIES							
Product	Film Thickness mil/micron	Structure	Adhesive Type	Tensile Strength lb/in <sup>2</sup>	Peel Strength g/in	Break Strength lbs/in	Puncture Strength lbs
<b>SECURITY CLEAR</b>							
Security Clear 4mil PS	4/100	Single Layer	Acrylic Pressure Sensitive	30,000	>2500	120	70
Security Clear 8mil PS	8/200	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	240	141
Security Clear 14mil PS	14/350	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	420	230
Security 8 mil Clear View plus 70	8/200	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	240	141
Security 8mil Neutral 50 PS	8/200	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	240	141
Security 8mil Neutral 35 PS	8/200	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	240	141
Security 8mil Silver 15 PS	8/200	Multi Layer	Acrylic Pressure Sensitive	30,000	>2500	240	141
<b>ANTI-GRAFFITI</b>							
Anti-Graffiti 4mil PS	4/100	Multi Layer	Acrylic Pressure Sensitive	N/A	N/A	N/A	N/A
Anti-Graffiti 6mil PS	6/150	Single Layer	Acrylic Pressure Sensitive	N/A	N/A	N/A	N/A

**RECOMMENDED SHELF LIFE** - 2 years from the date of purchase\*

\*If installing film after recommended shelf-life, re-certification by XPEL is required.

**RECOMMENDED STORAGE CONDITIONS** - 72° F (22° C) @ 50% RH

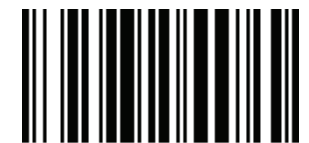
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## VISION DECORATIVE SERIES SPEC SHEET

Part #	Product Description	VISIBLE LIGHT			TOTAL SOLAR ENERGY			U.V. Rejection	Heat Rejection TSER	I.R. Rejection 780-2500nm	Shading Coefficient	SHGC	U Factor	Emmissivity	Glare Reduction
		VLT	Reflectivity Exterior	Reflectivity Interior	Energy Transferred	Energy Reflected	Energy Absorbed								
<b>DECORATIVE</b>															
XVWFT	White Frost	65	25	27	61	20	19	99	33	33	0.77	0.67	1.12	0.87	28
XVBOT	Black Out	0	6	7	0	5	95	99	75	72	0.29	0.25	1.12	0.87	100
XVWOT	White Out	9	68	80	14	53	33	99	78	99	0.26	0.22	1.13	0.88	90

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