



SOLARFX[®]

WINDOW FILMS

3/22/23

SPECIFICATIONS

CLASSIC SERIES	Black NR Automotive Window Films	VLT	VLR	TSEt	TSEr	TSEa	UVR	TSEr	GR
	CLASSIC 05	5	6	44	7	49	99	42	95
	CLASSIC 20	20	6	47	7	46	99	40	78
	CLASSIC 35	35	6	52	7	41	99	37	62
	CLASSIC 43	43	6	56	6	38	99	33	53
VINTAGE SERIES	Black NR Automotive Window Films	VLT	VLR	TSEt	TSEr	TSEa	UVR	TSEr	GR
	VINTAGE 05	5	6	40	7	53	99	42	95
	VINTAGE 15	15	6	44	6	50	99	41	83
	VINTAGE 20	20	6	45	7	48	99	40	78
	VINTAGE 30	32	6	53	6	41	99	37	65
	VINTAGE 35	35	6	50	7	43	99	37	62
	VINTAGE 43	43	6	55	6	39	99	33	53
	VINTAGE 50	50	6	57	7	36	99	30	45
CARBONFX SERIES	Black NR Automotive Window Films	VLT	VLR	TSEt	TSEr	TSEa	UVR	TSEr	GR
	CARBONFX 05	5	6	45	7	48	99	42	95
	CARBONFX 15	16	6	46	6	48	99	41	82
	CARBONFX 20	20	6	47	6	47	99	40	78
	CARBONFX 30	32	6	53	6	41	99	37	65
	CARBONFX 35	35	6	54	6	40	99	37	62
	CARBONFX 43	43	6	56	6	38	99	33	53
	CARBONFX 50	49	6	60	6	34	99	30	46
ULTRAFX SERIES	Charcoal NR Automotive Window Films	VLT	VLR	TSEt	TSEr	TSEa	UVR	TSEr	GR
	ULTRA 05	5	6	36	5	59	99	42	95
	ULTRA 15	15	6	43	5	51	99	41	83
	ULTRA 20	18	6	45	5	50	99	40	80
	ULTRA 30	31	6	51	5	44	99	36	68
	ULTRA 35	34	6	53	6	41	99	35	61
	ULTRA 40	41	6	55	5	40	99	34	57
	ULTRA 45	45	6	57	6	37	99	33	51
	ULTRA 50	48	6	58	6	36	99	30	50
ULTRA 70	70	7	68	7	25	99	23	22	
HYBRIDFX SERIES	High Performance Window Films	VLT	VLR	TSEt	TSEr	TSEa	UVR	TSEr	GR
	HFX 05	4	5	21	12	68	99	61	94
	HFX 10	10	5	29	8	63	99	53	89
	HFX 20	20	6	32	9	59	99	51	78
	HFX 30	29	7	43	6	51	99	43	69
	HFX 35	35	7	37	9	54	99	48	60
	HFX 40	41	7	45	7	48	99	41	57
	HFX 45	45	7	48	7	44	99	39	52
	HFX 50	50	7	54	7	39	99	36	40

VLT = Visible Light Transmission
VLR = Visible Light Reflectance (Int)

TSEt = Total Solar Transmittance
TSEa = Total Solar Absorbance

TSEr = Total Solar Reflectance
UVR = Ultraviolet Rejected

GR = Glare Reduction
TSEr = Total Solar Energy Rejected



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IRFX SERIES	IR Blocking Automotive Window Films		VLT	VLR	TSEt	TSEr	TSEa	UVR	TSER	GR	IR Rejection
	IRFX05		5	8	18	7	75	99	61	94	62
	IRFX15		14	8	21	8	71	99	59	85	62
	IRFX20		18	8	22	8	70	99	58	81	62
	IRFX25		25	8	27	8	65	99	55	73	62
	IRFX30		31	9	30	8	62	99	53	66	62
	IRFX38		38	9	33	8	59	99	51	57	62
	IRFX45		45	9	36	8	56	99	48	51	62

FX TREME 2 SERIES	Nano-Ceramic Automotive Window Films		VLT	VLR	TSEt	TSEr	TSEa	UVR	TSER	GR	IR Rejection
	FXTREME2 05		5	6	11	6	83	99	66	96	76
	FXTREME2 13		13	6	13	6	81	99	64	86	78
	FXTREME2 20		18	6	16	6	78	99	62	82	76
	FXTREME2 30		32	7	23	6	71	99	58	65	76
	FXTREME2 35		37	7	25	6	69	99	56	58	76
	FXTREME2 40		41	7	28	6	66	99	53	54	76
	FXTREME2 45		45	7	30	6	64	99	52	49	76
	FXTREME2 50		50	7	31	6	63	99	51	45	76
	FXTREME2 70		70	8	35	7	58	99	49	24	88
FXTREME2 80		79	9	47	7	46	99	40	13	72	

BLACK FX3 CERAMIC SERIES	Nano-Ceramic Automotive Window Films		VLT	VLR	TSEt	TSEr	TSEa	UVR	TSER	GR	IR Rejection
	BLACK FX3 05		5	6	11	6	83	99	66	95	79
	BLACK FX3 15		15	6	14	6	80	99	64	84	79
	BLACK FX3 20		20	6	17	6	77	99	61	78	79
	BLACK FX3 30		30	7	23	6	71	99	57	65	79
	BLACK FX3 35		35	7	24	6	70	99	56	60	79
	BLACK FX3 42		42	7	28	6	66	99	54	53	79
	BLACK FX3 45		45	7	30	6	64	99	52	49	79
	BLACK FX3 55		55	7	33	6	61	99	50	40	79
BLACK FX3 65		65	8	35	7	58	99	49	27	86	

FX PLUS SERIES	Nano-Ceramic Automotive Window Films		VLT	VLR	TSEt	TSEr	TSEa	UVR	TSER	GR	IR Rejection
	FXPLUS 05		5	6	5	6	89	99	70	93	96
	FXPLUS 15		15	6	6	9	85	99	67	85	96
	FXPLUS 20		20	7	11	7	82	99	66	79	96
	FXPLUS 30		30	7	16	6	78	99	62	67	96
	FXPLUS 35		35	8	17	8	75	99	63	64	96
	FXPLUS 43		43	8	21	7	72	99	59	52	96
	FXPLUS 50		50	8	23	6	71	99	57	46	96
FXPLUS 65		65	8	33	7	60	99	50	29	96	

DUAL ZONE SERIES	Dual Reflective Ceramic Window Films		DZFX5	DZFX15	DZFX25	DZFX35	DZFX45	DZFX55
	VISIBLE LIGHT TRANSMITTANCE		5%	15%	25%	35%	44%	53%
	SOLAR ENERGY TRANSMITTANCE		7%	13%	19%	29%	36%	43%
	SOLAR ENERGY ABSORBANCE		39%	43%	45%	47%	50%	47%
	SOLAR ENERGY REFLECTANCE		54%	44%	36%	24%	14%	10%
	VISIBLE LIGHT REFLECTANCE—EXTERIOR		65%	47%	40%	25%	15%	10%
	VISIBLE LIGHT REFLECTANCE—INTERIOR		14%	21%	17%	14%	13%	12%
	ULTRA VIOLET TRANSMITTANCE		<1%	<1%	<1%	<1%	<1%	<1%
	SHADING COEFFICIENT		0.2	0.29	0.36	0.48	0.57	0.64
	TOTAL SOLAR ENERGY REJECTION		82%	75%	69%	58%	50%	44%
GLARE REDUCTION		92%	84%	74%	61%	51%	43%	

SECURE ZONE SERIES	Security Window Films		SZ4	SZ7
	THICKNESS		4 MIL	7 MIL
	VISIBLE LIGHT TRANSMITTANCE		90%	91%
	SOLAR ENERGY TRANSMITTANCE		83%	81%
	SOLAR ENERGY ABSORBANCE		11%	12%
	SOLAR ENERGY REFLECTANCE		6%	7%
	VISIBLE LIGHT REFLECTANCE - EXTERIOR		9%	8%
	VISIBLE LIGHT REFLECTANCE - INTERIOR		8%	8%
	ULTRA VIOLET REJECTED		99%	99%
	SHADING COEFFICIENT		0.98	0.98
	TOTAL SOLAR ENERGY REJECTION		13%	15%
GLARE REDUCTION		1%	0%	

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