ASWF™
American Standard Window Film

We set the standard.

American Standard Window Film has set the standard for the profession. All products feature 99% U/V rejection, an ultra durable hard coat, manufactured in the latest state of the art facility in Las Vegas, Nevada. And, a factory backed warranty.

Non- Metalized Non-Reflective

Dyed, non-metalized window films that offers privacy, UV protection, and heat control.

Classic Pro Black™

clas•sic |klăs'ĭk| serving as the established model or standard

	Light Transmission	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
5	5%	5%	5%	1.5 M	45%	99%
15	13%	5%	5%	1.5 M	42%	99%
20	22%	5%	5%	1.5 M	39%	99%
35	35%	5%	5%	1.5 M	38%	99%
50	51%	5%	5%	1.5 M	34%	99%

Classic Pro Charcoal™

5	5%	5%	5%	1.5 M	45%	99%
15	13%	5%	5%	1.5 M	42%	99%
20	22%	5%	5%	1.5 M	39%	99%
35	35%	5%	5%	1.5 M	38%	99%
50	51%	5%	5%	1.5 M	34%	99%

Retro Black™

ret•ro |rĕt'rō| reviving of things past

	Light Transmission	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
5	5%	5%	5%	1.5 M	45%	99%
15	13%	5%	5%	1.5 M	42%	99%
20	22%	5%	5%	1.5 M	39%	99%
35	35%	5%	5%	1.5 M	38%	99%
50	51%	5%	5%	1.5 M	34%	99%

Retro Charcoal™

5	5%	5%	5%	1.5 M	45%	99%
15	18%	5%	5%	1.5 M	41%	99%
20	22%	5%	5%	1.5 M	39%	99%
35	35%	5%	5%	1.5 M	35%	99%
40	43%	5%	5%	1.5 M	33%	99%
50	52%	5%	5%	1.5 M	30%	99%

Excel™

ex•cel |ĭk-sĕl'| to do better than, to surpass.

	Light Transmission	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
5	7%	5%	5%	1.5 M	48%	99%
15	16%	5%	5%	1.5 M	44%	99%
20	22%	5%	5%	1.5 M	40%	99%
30	30%	5%	5%	1.5 M	38%	99%
35	35%	5%	5%	1.5 M	37%	99%
45	43%	5%	5%	1.5 M	36%	99%
50	50%	5%	5%	1.5 M	35%	99%
60	61%	5%	5%	1.5 M	29%	99%
70	68%	5%	5%	1.5 M	25%	99%
88	88%	5%	5%	1.5 M	20%	99%

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Important: All tested materials were applied on a ¼" clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

Non-Metalized IR-Performance (IRP)

ASWF's exclusive IRP family films utilizes a state of the art nano-ceramic technology offering superior heat rejection.

Carbon SX™

Carbon Ceramic Technology

car•bon |kär'bən| a nonmetal which has two main forms (diamond and graphite)

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
03	4%	46%	43%	4.6%	4.5%	2.0 Mil	51.3%	99%
05	7%	46%	43%	4.9%	4.5%	2.0 Mil	49.8%	99%
15	16%	46%	43%	4.6%	4.5%	2.0 Mil	46.6%	99%
20	22%	46%	43%	4.5%	4.6%	2.0 Mil	44.5%	99%
35	37%	46%	43%	5.1%	5.0%	2.0 Mil	38.8%	99%
40	42%	46%	43%	5.7%	5.4%	2.0 Mil	35.8%	99%
50	48%	46%	43%	5.5%	5.5%	2.0 Mil	36.3%	99%
70	77%	67%	63%	7.6%	7.3%	1.5 Mil	35.6%	99%

Carbon SIR II™

Nano-Ceramic Technology

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
03	3%	64%	63%	4%	4%	2.0 Mil	59.0%	99%
05	6%	60%	63%	4%	4%	2.0 Mil	56.0%	99%
15	14%	60%	63%	4%	4%	2.0 Mil	54.0%	99%
20	20%	60%	63%	4%	4%	2.0 Mil	52.0%	99%
35	35%	60%	63%	4%	4%	2.0 Mil	57.0%	99%
40	40%	60%	63%	4%	4%	2.0 Mil	44.0%	99%
50	48%	60%	63%	5%	5%	2.0 Mil	42.0%	99%
60	60%	60%	63%	6%	6%	2.0 Mil	39.0%	99%
70	80%	60%	63%	7%	7%	2.0 Mil	33.0%	99%

Carbon Ultra™

Nano-Ceramic Technology

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
05	7%	84%	80%	4.8%	4.8%	2.0 Mil	64.3%	99%
15	16%	84%	80%	5.0%	4.7%	2.0 Mil	61.5%	99%
20	20%	84%	80%	5.1%	4.8%	2.0 Mil	59.6%	99%
35	37%	84%	80%	5.8%	5.4%	2.0 Mil	53.8%	99%
40	43%	84%	80%	5.9%	5.4%	2.0 Mil	52.0%	99%
50	53%	81%	78%	5.9%	5.3%	1.5 Mil	48.9%	99%
70	73%	81%	78%	7.3%	7.1%	1.5 Mil	42.6%	99%

Carbon Ultra IR™

Nano-Ceramic Technology

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
05	5.0%	93%	90%	5.2%	4.3%	2.4 Mil	69.9%	99%
15	13.3%	93%	90%	5.2%	4.5%	2.4 Mil	65.8%	99%
20	15.6%	93%	90%	5.4%	4.6%	2.4 Mil	66.0%	99%
35	29.4%	93%	90%	5.6%	4.9%	2.4 Mil	60.4%	99%
50	55.0%	93%	90%	6.0%	6.5%	2.4 Mil	52.0%	99%
70	71.3%	93%	90%	7.0%	7.0%	1.5 Mil	48.0%	99%

CarbonS 4Mil™

Carbon Ceramic Technology

	Light Transmission	IR 0.9-1.0	IR Rejected	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
4Mil 05	8%	46%	43%	4.5%	4.6%	4.4 Mil	50.0%	99%
4Mil 15	17%	46%	43%	4.6%	4.7%	4.4 Mil	46.1%	99%
4Mil 20	22%	46%	43%	4.8%	4.8%	4.4 Mil	44.8%	99%
4Mil 35	37%	46%	42%	5.1%	5.0%	4.4 Mil	38.8%	99%

Non-Metalized IRP (cont.)

Excel IRP™

Nano-Ceramic Technology

ex•cel |ĭk-sĕl'| to do better than, to surpass.

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
5	5%	83%	85%	4%	4%	2.0 M	66%	99%
15	16%	78%	83%	4%	4%	1.5 M	62%	99%
20	22%	78%	83%	4%	4%	1.5 M	60%	99%
35	35%	78%	83%	5%	5%	1.5 M	56%	99%
40	42%	78%	83%	5%	5%	1.5 M	53%	99%
50	53%	78%	83%	5%	5%	1.5 M	50%	99%
70	75%	78%	83%	6%	6%	1.5 M	42%	99%
80	79%	75%	76%	6%	6%	1.5 M	40%	99%

Dimension IRP™

Nano-Ceramic Technology

di•men•sion |dĭ-mĕn'shən| a measure of spacial extent

	Light Transmission	IR .78-2.5	IR 0.9-1.0	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
5	4%	90%	94%	4%	5%	2.0 M	79%	99%
15	15%	90%	94%	4%	4%	1.5 M	65%	99%
20	20%	90%	94%	4%	4%	1.5 M	64%	99%
35	38%	90%	94%	5%	4%	1.5 M	58%	99%
50	49%	90%	94%	5%	5%	1.5 M	56%	99%
70	70%	90%	94%	6%	6%	1.5 M	49%	99%
80	77%	77%	82%	6%	6%	1.5 M	42%	99%

High-Performance

A dyed, metalized window film with a non-reflective aesthetic that reflects solar heat.

Performer™

per•form•er |per-fôr'mər| something that takes action from the requirements, to fulfill.

	Light Transmission	Visible Light Reflectance Interior	Visible Light Reflectance Exterior	Construction Thickness	Solar Energy Rejected	U/V Rejected
3	4%	9%	6%	1.5 M	66%	99%
5	6%	8%	6%	1.5 M	54%	99%
15	16%	11%	8%	1.5 M	52%	99%
20	19%	11%	8%	1.5 M	51%	99%
30	30%	11%	8%	1.5 M	50%	99%
35	37%	11%	8%	1.5 M	47%	99%
50	55%	11%	8%	1.5 M	40%	99%
60	65%	11%	8%	1.5 M	35%	99%

Automotive

Window Film Performance Data

Made in USA