

3M Technical News

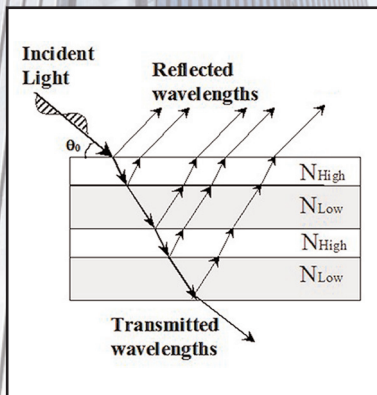
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3M™ Prestige Series Window Films

With 3M Prestige Series Window Films, you can enjoy the benefits of a world-class window film while leaving the beauty of your windows virtually unchanged.

Because 3M Prestige Series Window Films use no metals, they are not susceptible to corrosion and do not interfere with EMI signals such as cell phone reception. Other window films that reject heat tend to have high reflectivity, but not Prestige Series Window Films – Prestige Series Window Films offer low reflectivity. In fact, two of the films offer reflectivity lower than glass itself. A final key technical feature of the Prestige Series Window Film line of products is that they were designed to perform best when the sun is high, at the hottest parts of the day so, when the sun is working hardest, our films are performing their best.



Hundreds of layers in the multi-layer optical base film (less than the thickness of a Post-It note) are the key to these film's high performance. The physics behind the multi-layer optical base film are illustrated at left:

A final key advantage of Prestige Series Window films is that they block 97% of the sun's infrared energy. Please see the data table below for performance figures:

The next newsletter will include a much more in-depth description of 3M Prestige Series Window Films.

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Product	Glazing type	VLТ	Visible Light reflected (Interior)	Visible Light reflected (exterior)	UV Blocked	Shading Coeff.	Total Solar Energy Rejected	TSER @ 60 deg	Heat Gain Reduction	Glare reduction	Luminous Efficacy	IR rejected
PR-70	Single Clear	68%	9%	9%	99.9%	0.58	50%	59%	38%	23%	1.17	97%
	Single Tinted	41%	8%	6%	99.9%	0.5	57%	63%	32%	23%	0.82	97%
	Double Clear	61%	13%	16%	99.9%	0.64	44%	50%	21%	23%	0.95	97%
	Double Tinted	37%	12%	9%	99.9%	0.48	58%	62%	19%	22%	0.77	97%
PR-60	Single Clear	61%	8%	8%	99.9%	0.55	52%	61%	41%	31%	1.11	97%
	Single Tinted	36%	7%	6%	99.9%	0.48	58%	63%	34%	32%	0.75	97%
	Double Clear	54%	11%	15%	99.9%	0.63	45%	54%	22%	32%	0.86	97%
	Double Tinted	32%	10%	8%	99.9%	0.47	59%	64%	20%	32%	0.68	97%
PR-50	Single Clear	50%	7%	8%	99.9%	0.51	56%	63%	46%	43%	0.98	97%
	Single Tinted	30%	6%	6%	99.9%	0.46	60%	66%	37%	44%	0.65	97%
	Double Clear	44%	9%	15%	99.9%	0.61	47%	53%	25%	44%	0.72	97%
	Double Tinted	27%	9%	8%	99.9%	0.46	60%	64%	22%	43%	0.59	97%
PR-40	Single Clear	39%	6%	7%	99.9%	0.47	59%	66%	50%	56%	0.83	97%
	Single Tinted	23%	6%	6%	99.9%	0.43	63%	67%	41%	57%	0.53	97%
	Double Clear	35%	8%	14%	99.9%	0.59	49%	54%	27%	56%	0.59	97%
	Double Tinted	21%	7%	8%	99.9%	0.45	61%	64%	24%	56%	0.47	97%

3M Window Films Awarded Skin Cancer Seal of Recommendation

3M is proud to announce that 31 additional window films have been recently approved by The Skin Cancer Foundation, bringing our total number of products now to 43. The Skin Cancer Foundation recommends the following 3M window film products as effective UV protectants.

3M Scotchtint Automotive Films	CS Series	CS-5,CS-20
	Crystalline Series	Crystalline 40, Crystalline 50, Crystalline 60, Crystalline 70
	Black Chrome Series	BC-10, BC-20, BC-35, BC-40
	FX Series	FX ST-5,FX HP-5, FX HP-20, FX HP-30, FX HP-35, FX HP-50
3M Scotchtint Window Films	Prestige Series	PR40,PR50, PR60, PR70
	Nightvision Series	NV-15,NV-25, NV-35, NV-45
	Affinity Series	Affinity15, Affinity 30
	Amber Series	LE35AMARL, RE35AMARL
	Counter Intelligence Series	CI100T,CI100B
	Neutral Series	RE20NEARL, RE35NEARL, RE50NEARL
	Silver Series	P18ARL
	XL Series	RE15SIARXL,RE20BRARXL, RE35NEARXL, RE35SIARXL
3M Scotchshield Safety Films		S20SIAR400,S25NVAR400, S35NEAR400, S50NEAR400
		SH14CLARL

For additional information, please visit: <http://www.skincancer.org/aboutus/documents/SealList.pdf>

3M Affinity Window Films

3M™ Affinity™ Window Films offer 3M quality and features along with attractive pricing providing an exceptional value. Like our Night Vision films, they feature lower interior reflectivity and a warm bronze hue.

They also feature a unique water-activated adhesive and come in 72" wide rolls.

Product	Glass thickness	Glass type	Shading Coeff.	Visible Light reflected (Interior)	Visible Light reflected (exterior)	VLT	Emissivity (film)	U Value	UV Blocked	Heat Gain Reduction	Heat Loss	Glare	TSER
Affinity15	6mm	Single Clear	0.24	25%	58%	9%	0.79	1.00	99	74%	2%	90%	79%
		Single Tinted	0.31	25%	24%	5%	0.79	1.00	99	58%	2%	91%	73%
		Double clear	0.37	26%	57%	8%	0.79	0.47	99	54%	0%	90%	68%
		Double tinted	0.31	25%	23%	5%	0.79	0.47	99	47%	0%	89%	73%
Affinity30	6mm	Single Clear	0.50	10%	17%	0.36	0.68	0.94	99	47%	8%	59%	57%
		Single Tinted	0.45	10%	9%	22%	0.68	0.94	99	38%	8%	59%	61%
		Double clear	0.59	12%	22%	32%	0.68	0.45	99	27%	4%	59%	49%
		Double tinted	0.45	11%	11%	19%	0.68	0.45	99	24%	4%	60%	61%



Window Film Depot

Call 866-933-3456 for a professional assessment or email us at: support@windowfilmdepot.com