Renewable Energy Division
3M™ Sun Control Window Film Prestige 70

Making your Windows work for you

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- Spectrally selective, multilayer nano-technology
- Optimal visible light transmission and heat rejection performance
- Reduces solar heat gain keeping occupants cool and comfortable
- Reduces heating and cooling costs
- Extends the life and vibrancy in furniture, fittings and fabrics
- Reduces the risk of injury from flying glass

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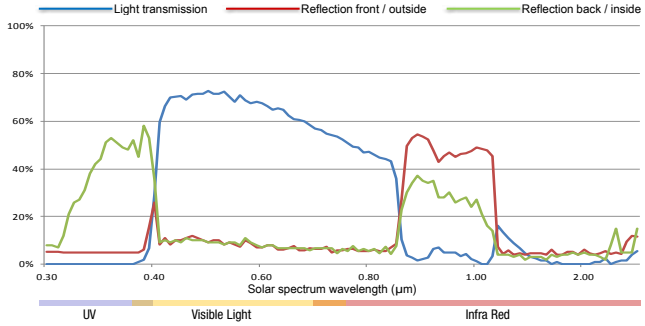
Description

With **3M's Prestige Series** you can enjoy the benefits of a world-class window film while leaving the window appearance virtually unchanged. Prestige Series nano-technology can significantly reduce heat gain and create a comfortable environment, as well as helping to reduce the workload of air conditioners and save energy costs. Because the films use no metal, they are not susceptible to corrosion, plus Prestige Series Window Films offer reflectivity that is actually lower than glass.

Prestige 70 is a multi layer, metal free film based on nanotechnology for the interior surface of windows. It has a uniquely high visual light transmission for a film that has exceptionally high heat rejection. The film also reduces glare and blocks almost the entire amount of UVA and UVB rays which are the main cause of fading and skin damage. The patented multi layer construction and manufacturing process ensures an even longer warranty and life expectancy compared to other film technologies.

Solar Performance and light transmission



Features (on 6 mm clear glass)

Total Solar Energy Rejected	50%
Near IR reduction	97%
Glare reduction	22%
UV rays blocked	99.9%

Film properties

Thickness without adhesive	0.062mm / 62µm
Colour	Virtually clear
Material	Co-extruded PET/coPMMA
Adhesive	Pressure sensitive acrylic
Top coating	Scratch resistant hard coat

Installation

Prestige Series films are installed using water and a soap solution. They are faster drying than other films, resulting in a faster installation time. Full adhesion is reached after approximately 8 - 10 days at 18°C (in dry conditions).

Cleaning

3M Window Films may be cleaned 30 days after installation using ordinary window cleaning agents and avoiding the use of abrasive particles. Do not use rough sponges, cloths or brushes. Synthetic sponges, soft wipes or rubber squeegee cleaners are recommended.

Glass Type	Film Type on 6mm Glass	Visible Light Transmission	Visible Reflection Exterior	Visible Reflection Interior	Heat Gain Reduction	G-value (Solar Heat Gain Coefficient)	Total Solar Energy Rejected
Single Pane							
Clear	No film	89%	8%	9%	N/A	0.82	19%
	PR 70	**69%**	**9%**	**9%**	**38%**	**0.50**	**50%**
Tinted	No film	53%	6%	6%	N/A	0.63	37%
	PR 70	**42%**	**6%**	**7%**	**31%**	**0.43**	**57%**
Double Pane							
Clear	No film	79%	15%	15%	N/A	0.70	30%
	PR 70	**62%**	**15%**	**13%**	**21%**	**0.56**	**44%**
Tinted	No film	47%	8%	13%	N/A	0.51	49%
	PR 70	**37%**	**8%**	**12%**	**18%**	**0.42**	**59%**

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