





## Product Description

- High Visible Light Transmission, High Clarity, Competitive Total Solar Energy Rejection
- No metals in the film, means no signal interference, no edge sealing needed, and no chance of corrosion
- Helps reduce air conditioning costs.
- Stay cooler by reducing excessive heat in warmer months.
- Excellent film for skylight applications
- Helps protect glass from graffiti
- Hydrophobic hard coat helps to keep the exterior surface of the glass looking cleaner
- Helps reduce the risk of thermal fracture
- Helps prolong the life and vibrancy of fabric, furniture and carpets.
- Helps reduce the chance of injury from flying glass.
- Holds broken glass in place reducing the risk of injury

## Product Performance & Technical Data

PR90X								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	PR90X	1/4" tint	PR90X	Dual 1/4" Clear	PR90X	Dual 1/4" tint	PR90X
Solar Heat Gain Coefficient	0.82	0.64	0.63	0.50	0.70	0.56	0.51	0.41
Visible Light Transmitted	88%	88%	53%	53%	79%	79%	47%	47%
Visible Light Reflected Interior	8%	9%	6%	6%	15%	16%	13%	13%
Visible Light Reflected Exterior	8%	9%	6%	6%	15%	16%	8%	9%
U Value	1.03	1.03	1.03	1.03	0.47	0.47	0.47	0.47
UV Block	43%	99.9%	NA	99.9%	NA	99.9%	NA	99.9%
Total Solar Energy Rejected	18%	36%	37%	50%	30%	45%	49%	59%
Glare Reduction	NA	0%	NA	0%	NA	0%	NA	0%
Heat Loss Reduction	NA	0%	NA	0%	NA	1%	NA	0%
Solar Heat Reduction	NA	22%	NA	21%	NA	21%	NA	20%

### Commercial Solutions Division

3M Center, Building 220-12E-04 St. Paul, MN 55144  
[3M.com/windowfilm](http://3M.com/windowfilm)

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## Health and Safety

When handling any chemical products, read the manufacturers' container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](http://3M.com/SDS), or by mail or in case of an emergency, call 1-888-364-3577 or 1-651-737-6501. When using any equipment, always follow the manufacturers' instructions for safe operation.

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## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

## Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Limited Remedy

If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

## No Extension of Warranty

In the case of an approved warranty claim, the replacement Product will carry only the remaining term of the original warranty period.

## Limitation of Liability

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