# Clearly Superior Exterior





#### **Benefits**

- Non-metalized exterior applied film with no chance of corrosion, no need to edge seal\*. and no signal interference
- · High visual light transmission providing excellent aesthetics
- Up to 97% infrared rejection providing energy savings and enhanced comfort\*\*
- . Low interior and exterior reflectivity enhances views while maintaining exterior appearance
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- The Prestige Exterior Series can become carbon negative in as short as 6 months from install\*\*\*
- Comprehensive warranty from 3M

\*Edge sealing required if water can pool at the edge of the film

\*\*IR Rejection as measured from 900-1000 nm

\*\*\*Based on emission calculations performed in compliance with the GHG Protocol Product Life Cycle Accounting and Reporting Standard (2011), third party assured by Quality Associates Incorporated, and energy savings calculation completed by CONSOL Energy. Contact 3M for details.

#### Valued Associations & Alliances









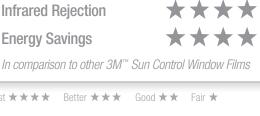


**Exterior Durability** 

Low Reflection

**Energy Savings** 

Infrared Rejection



 $\star$   $\star$   $\star$   $\star$ 

 $\star$   $\star$   $\star$   $\star$ 

Best  $\star \star \star \star$ Better ★★★ Good ★★

Visible Light Transmission  $\star \star \star \star$ 

## **Prestige Exterior Case Study**

National Bank of Arizona, Phoenix Arizona Climate Zone 2

Double Pane Tinted Glass installed on the building Customer Issues:

• Excessive heat load

Looking for operational cost savings

- Results:
  - Saved 12 kwh per sq ft of glass
  - Payback in less than 5 years, even though the existing glass was high performance



			Visible Ligh	nt		l Solar Rejected	Solar					Vicible Light
<b>Glass Type</b> (All 1/4")	Film Type	Reflected (Interior)	Reflected (Exterior)	Transmitted	Normal	60 Degree Angle	Heat Gain Coefficient	U Value	Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
Clear	PR40X	5%	6%	42%	61%	68%	0.39	1.02	53%	99.9%	53%	1.1
	PR70X	7%	7%	71%	52%	61%	0.48	1.02	41%	99.9%	20%	1.5
	PR90X	9%	9%	88%	36%	45%	0.64	1.02	21%	99.9%	1%	1.4
Tinted	PR40X	5%	5%	25%	67%	71%	0.33	1.02	47%	99.9%	53%	0.8
	PR70X	5%	6%	42%	61%	67%	0.39	1.02	39%	99.9%	20%	1.1
	PR90X	6%	6%	53%	50%	56%	0.50	1.02	21%	99.9%	1%	1.1
Double Clear	PR40X	13%	7%	37%	71%	78%	0.29	0.47	59%	99.9%	53%	1.3
	PR70X	14%	12%	63%	61%	70%	0.39	0.47	45%	99.9%	20%	1.6
	PR90X	16%	15%	78%	45%	54%	0.56	0.47	21%	99.9%	1%	1.4
	PR40X	12%	6%	22%	77%	82%	0.23	0.47	55%	99.9%	53%	1.0
	PR70X	13%	7%	38%	71%	75%	0.29	0.47	43%	99.9%	21%	1.3
Double Tinted	PR90X	13%	9%	47%	60%	64%	0.41	0.47	20%	99.9%	1%	1.2

## Product Performance & Technical Data

### **LEED Certification**

Window films I	may be used toward	s the following L	EED credits:
• SS-8	• MR 1.1-1.2	• EQ-7.1	• EQ-8.1-8.2

• MR 5.1-5.2 • EQ-7.1 • EQ-8

• EQ-7.2 • ID

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