

3M Prestige Sun Control Window Films

Product Specification – PR70

1.0 Scope:

This specification is for a multi optical layer, abrasion resistant solar control window film manufactured by 3M called 3M **PR70**. Once applied to the interior window surface, it will reduce the gain of solar energy through the window and reduce transmitted ultra-violet (UV) and Infra-red (IR) radiation. The film shall be manufactured using multi optical layer technology to provide solar performance and contain NO metals in the construction.

2.0 Performance Specification:

The 3M PR70 Sun Control film will meet all of the following performance specifications when measured by standard techniques on standard 6mm clear glass.

- 2.01 Number of Optical Layers **more than 200 layers**
- 2.02 Visible Light Transmitted **69%**
- 2.03 Visible Light Reflected Interior **9%**
- 2.04 Infra-red (IR) Rejected (900-1000nm) **97%**
- 2.05 Ultra-Violet (UV) Rejected **99.9%**
- 2.06 Total Solar Energy Rejected **50%**
- 2.07 Total Solar Energy Rejected @ 60° angle **59%**
- 2.08 Glare Reduction **23%**
- 2.09 Shading Coefficient **0.58**
- 2.10 U-Value **5.62**
- 2.11 Surface Burn Characteristics (ASTM E84) **Class A Interior Use**
- 2.12 Flame Spread Index, Smoke Developed (ASTM E84) **Class A interior Use**

3.0 Application:

The 3M PR70 Sun Control film will be applied by a 3M licensed Installer to 3M guidelines.

4.0 Warranty

When applied by a 3M licensed installer 3M will warrant the product for a period of 15 years, and will include:

- 4.1 Maintain adhesion properties without blistering, bubbling or delaminating from the glass.
- 4.2 Maintain appearance without discoloration.
- 4.3 In the event the product is found defective under above points, the seller will provide removal and reapplication free of charge. * See warranty for details.