



3M™ Sun Control Window Film Amber 35 Low E

- Metalised heat gain reduction and heat insulation technology
- Keeps occupants cool in the hotter months and warm in the colder months
- Reduces heating and cooling costs
- Reduces glare and eye discomfort
- Extends the life and vibrancy in furniture, fittings and fabrics
- Reduces the risk of injury from flying glass

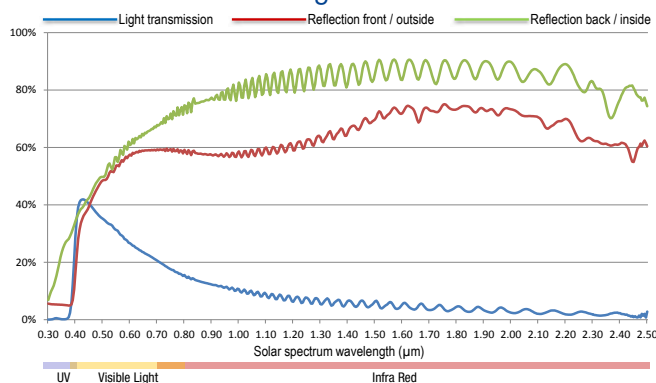
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Description

3M Sun Control Window Films are an elegant way to manage light and heat. 3M technology can significantly reduce heat gain and emissivity, create a comfortable environment, as well as reduce the workload of heating and cooling systems and save energy costs. 3M Window Films also reduce glare and block almost the entire amount of UVA and UVB rays which are the main cause of fading and skin damage.

3M's Amber 35 Low E is designed for use on the interior surface of windows. It's low emissivity metalised technology reflects the sun's rays in the warmer months and insulates heat in the colder months while allowing optical clarity to be maintained. Also, depending on lighting conditions, rooms are protected against prying eyes from looking in.

Solar Performance and light transmission



Features (on 6 mm clear glass)

| | |
|-----------------------------|------|
| Total Solar Energy Rejected | 75% |
| Glare reduction | 66% |
| UV rays blocked | 99% |
| U-value | 0.76 |

Film properties

| | |
|-------------|-----------------------------|
| Thickness | 0.045mm / 45µm |
| Colour | Amber |
| Material | Polyester |
| Adhesive | Pressure sensitive acrylic |
| Top coating | Scratch resistant hard coat |

Installation

3M Window Films are installed using a water and soap solution. Full adhesion is reached after approximately 20 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 | U-value |
|--------------------|------------------------|----------------------------|-----------------------------|-----------------------------|---------------------|---------------------------------------|-----------------------------|-------------|
| Single Pane | | | | | | | | |
| Clear | No film | 89% | 8% | 9% | N/A | 0.82 | 19% | 1.03 |
| | Amber 35 LE | 30% | 52% | 56% | 70% | 0.25 | 75% | 0.76 |
| Tinted | No film | 53% | 6% | 6% | N/A | 0.63 | 37% | 1.03 |
| | Amber 35 LE | 18% | 22% | 56% | 60% | 0.25 | 75% | 0.76 |
| Double Pane | | | | | | | | |
| Clear | No film | 79% | 15% | 15% | N/A | 0.70 | 30% | 0.47 |
| | Amber 35 LE | 28% | 51% | 57% | 55% | 0.32 | 68% | 0.39 |
| Tinted | No film | 47% | 8% | 13% | N/A | 0.51 | 49% | 0.47 |
| | Amber 35 LE | 16% | 21% | 57% | 50% | 0.26 | 74% | 0.39 |

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