



# SOLAR CONTROL FILM

## External Solar Bronze 20

### SO-20BR-eSR

**External Opalux® Solar Bronze 20 solar control film offers a balanced year-round performance of good solar heat rejection with a more neutral external appearance.**

Opalux® External Solar Bronze 20 coloured film is specially metallised to allow good solar control properties. Avoiding the highly mirrored look of traditional solar control films, this presents a pleasing architectural appearance. This film helps to reduce cooling costs and therefore Climate Change Levy liability by lightening the load on air conditioning equipment. Government and business organisations can use Opalux® solar control window films as an integral part of seeking to comply with the CRC Energy Efficiency Scheme and The Carbon Trust policies. Opalux® Solar Bronze 20 solar control film is used where a neutral appearance is required, and is ideally suited to architecturally sensitive applications such as listed buildings. This film achieves solar heat and glare control, and make less visual impact than traditional mirrored films. The film is applied externally and, in daytime, lends the glass a low mirrored bronze external appearance, whilst from the inside, the visual effect, much less noticeable, is a light tint.

### FEATURES

- Excellent solar heat and glare rejection
- Cuts energy use for cooling
- Lower mirror appearance
- Quick, retro-fit installation
- Exterior grade with a scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Lower visual impact, especially suited to architecturally sensitive buildings
- Can be used where costly and disruptive large-scale replacement of existing glazing is not a viable option
- Suitable for most non-abrasive window-cleaning

| PERFORMANCE DATA                      |                      | SO-20BR-eSR                               |
|---------------------------------------|----------------------|---|
| SOLAR ENERGY                          | Transmitted          | 16%                                       |
|                                       | Reflected            | 39%                                       |
|                                       | Absorbed             | 45%                                       |
| VISIBLE LIGHT                         | Transmitted          | 20%                                       |
|                                       | Reflected (Interior) | 36%                                       |
|                                       | Reflected (Exterior) | 36%                                       |
| UV Rejection                          |                      | 99%                                       |
| Glare Reduction                       |                      | 77%                                       |
| Shading Coefficient                   |                      | 0.20                                      |
| Solar Heat Gain Coefficient (G-Value) |                      | 0.22                                      |
| U-Value (W/m²K)                       |                      | 5.81                                      |
| Total Solar Energy Rejected           |                      | 78%                                       |
| Product Warranty*                     |                      | 4 years vertical<br>Up to 3 years sloping |

### NOTES

Test results are produced from film applied to 3mm clear single-glazing. Performance data is subject to change without prior notice. Accurate selection of window film requires specialist knowledge, and it is recommended that specifiers contact the company at the specification stage. Please refer to the Opalux® product warranty form for the full terms and conditions of the Opalux® limited warranty. It is the users' responsibility to ensure the product is suitable for the intended use. The seller shall not be liable for any direct, indirect or consequential loss or damage howsoever arising.

### SPECIFICATION

The solar control window film is to be Opalux® SO-20BR-eSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The film is to be installed to the exterior side of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure. Exterior grade films must be correctly silicone edge sealed.

**\*Some warranty periods are reduced or negated as the angle of the sloped glazing lowers towards the horizontal-orientation.**