



## TECHNICAL DATA SHEET - PROTECTIVE FILM

### BSOAT40i2

Film for solar protection. Reduces the risk of thermal shock. UV-proof. Anti-scratch treatment. Indoor application.

Colour: reflective light gold-coloured.

#### **FILM FEATURES:**

#### Average values

(values for a film applied to a 3-mm clear glazing)

|                                     |    |
|-------------------------------------|----|
| • Thickness (µm):                   | 55 |
| • Solar energy rejected (heat) (%): | 66 |
| • Solar energy reflection (%):      | 47 |
| • Solar energy absorption (%):      | 25 |
| • Solar energy transmission (%):    | 28 |
| • Visible light transmission (%):   | 47 |
| • Visible light reflection (%):     | 29 |
| • UV transmission (%):              | 1  |

#### **FILM COMPATIBILITY:** (vertical application)

| Type of glazing |  | Compatibility |
|-----------------|--|---------------|
| Simple glazing  | Clear  | Yes           |
|                 | Tinted   | Yes           |
|                 | Tinted, mirrored   | Yes           |
| Double glazing  | Clear  | Yes           |
|                 | Tinted   | Yes           |
|                 | Tinted, mirrored   | Yes           |
|                 | Low emission (inert gas fill)                                      | Yes           |
|                 | Laminated, clear (laminated glass facing outwards of the building) | Yes           |
|                 | Laminated, clear (laminated glass facing inwards of the building)  | No            |

**USER'S INSTRUCTIONS:**

*The particular technology of this film allows an indoor application, on large glass panels (refer to compatibility chart below) while reducing risks of thermal shock on the glazing (the reduction of the risk does not apply in the case of overlapping or superposing of films).*

- Prior to any film application to a substrate prone to degassing, it is the responsibility of the prescriber and applicator to make sure of the compatibility between the film and the substrate and carry out an optimal substrate degassing (in the case of synthetic glass such as PMMA, polycarbonate, etc.). The applicator is liable for any appearance of bubbles due to substrate degassing.
- Indoor application.
- Application to vertical glass surfaces, up to a maximum of 2.5 m<sup>2</sup>.
- During storage, always handle with clean and dry hands.
- Always remove the liner at the moment right before application, and squeegee the film right after as instructed during the HEXIS training courses.
- Application with soapy water only.
- Adhesion to glass, except grain substrates.
- Only use special tools dedicated to the application of window films.
- The film should not be covered by stickers or self-adhesive films.
- Protect the film edges with a marine type sealing.
- If peeled off after its application, the deterioration of the structure and appearance of the film will be irreversible.
- After application you must wait for one month before any cleaning of the surface with soapy water.

**RECOMMENDATIONS:**

- For further information on the application method of the BSOAT40i2 film, please refer to the Application Guide available on the "Professionals" pages, category "Solar and safety film" on our website at [www.hexis-graphics.com](http://www.hexis-graphics.com).

**STORAGE:**

- Shelf life (before use):  
The shelf life of this film is 3 years when stored horizontally in a dust-free environment at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

**DURABILITY:**

- Vertical exposure: 15 years.

**WARRANTY:**

- HEXIS warrants the BSOAT40i2 in vertical exposure for 10 years against cracking, yellowing and demetallisation of the film.

**NOTES:**

The compatibilities indicated in this table are provided for information purposes only and must be confirmed on a case-by-case basis. Due to the great variety of glazing and exposure possibilities, it is the responsibility of the customer/the person in charge of application to carry out a detailed compatibility study between the glass/film and the use-related impacts. These evaluations should be accomplished prior to product implementation in order to determine if it is suitable or not for the intended purpose. All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).