



## TECHNICAL DATA SHEET - PROTECTIVE FILM **BSON20x2**

Film for solar and privacy protection. UV-proof. Anti-scratch coating. Outdoor application.  
Colour: Grey. Slightly reflective surface finish.

### **FILM FEATURES:**

#### Average values

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

- |                                     |    |
|-------------------------------------|----|
| • Thickness (µm):                   | 60 |
| • Solar energy rejected (heat) (%): | 74 |
| • Solar energy reflection (%):      | 41 |
| • Solar energy absorption (%):      | 43 |
| • Solar energy transmission (%):    | 16 |
| • Visible light transmission (%):   | 20 |
| • Visible light reflection (%):     | 37 |
| • 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)	No
	Laminated, clear (laminated glass facing the exterior of the building)	No
	Laminated, clear (laminated glass facing the interior of the building)	Yes

**USER'S INSTRUCTIONS:**

- Prior to any film application to a substrate prone to degassing, it is the responsibility of the prescriber and applicator to verify the compatibility between the film and the substrate and to carry out an optimal substrate degassing (in the case of synthetic glass such as PMMA). The applicator is liable for any appearance of bubbles due to substrate degassing.
- Outdoor application.
- During storage, always handle with clean and dry hands.
- Always remove the liner 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 with stickers or self-adhesive films.
- 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 cleaning the surface with soapy water for the first time; maximum 3 cleanings per year.

**OPERATING RECOMMENDATIONS:**

- For further information on the application method of the BSON20x2 film, please refer to the Application Guides available under the "Professionals" heading, category "Solar and safety films", on our website [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 59 °F to 77 °F (from 15 °C to 25 °C) with relative humidity of 50 %.

**DURABILITY:** (Central European climate)

- Vertical exposure: 10 years.

**WARRANTY:**

- HEXIS warrants the BSON20x2 in vertical exposure for 4 years against cracking, yellowing and demetallisation of the film.

**CERTIFICATIONS:**

- The BSON20x2 film complies with REACH. It does not contain any substances referenced in ECHA's list of SVHC (Substances of very high concern).
- This product is M1 classified according to the French standard for fire behaviour (protocol no. 191964-DE/3).

**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 done 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).