



## TECHNICAL DATA SHEET - PROTECTIVE FILM SP

The SURFACE PROTECTION SP film is an adhesive film developed for protecting all substrates that do not require major aesthetic criteria. Its excellent shock-absorbing properties protect your substrate against physical, mechanical, chemical and solar stress. It has a glossy surface finish.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness (µm):	150	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	> 100	HEXNFX41021
• Elongation at break (%):	> 350	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.2	HEXRET001

### **LINER:**

- Silicone-coated PET liner.

### **ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application:	20	
after 24 hours of application:	21	
• Initial tack (N/25 mm):	12	HEXFTM009
• Release (N/25 mm):	0.1	HEXFTM003

### **ADHESIVE:**

- Solvent-based, acrylic adhesive.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

## **USER'S INSTRUCTIONS:**

- The SP film is intended for surface protection. Its glossy surface finish may be altered by matt stripes (mottling) and/or surface imperfections. Therefore, its use should be reserved for applications not requiring an aesthetic aspect of mirror effect.
- Recommended minimum application temperature: +10 °C (+50 °F). Apply preferably between +15 °C and +35 °C (+59 °F to +95 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- Cut the film to the size of the part to be wrapped, allowing +10 cm (4 in.) of extra margin.

*The remaining film must be stored on its original core (do not cut the rolls into several lengths or widths, do not repackage the product); the roll must be closed immediately and properly protected (masking tape or roll-collars) after use in order to preserve all its qualities.*

- Wet application directly to the surface that is to be protected; check the compatibility of the substrate with water.
- Apply to a surface that is clean and free from any traces of contaminants (dust, grease, wax, silicone, etc.).

*Particular care must be taken to clean the angles and periphery of the target surfaces in order to enable the film to adhere properly to the surface.*

- In the case of painted substrates, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

## **OPERATING RECOMMENDATIONS:**

- Conformable product developed for protecting all substrates.
- Excellent protection against vandalism.
- The improved surface sliding of the SP film enables you to reduce squeegee friction during application and facilitates the film cleaning.
- To facilitate application, HEXIS have several types of squeegees in its range of accessories, ranging from soft to hard.

## **STORAGE:**

- Shelf life (before application):

The shelf life of this film is 1 year when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with a relative humidity of 50 %.

**DURABILITY:**

- Vertical exposure, Central European climate:  
Up to 7 years (under normal use conditions).
- Lifespan depends on the type of substrate, its preparation, exposure conditions and nature and frequency of the cleaning.

*For instance, it is estimated that a south-facing exposure (in the northern hemisphere) will divide the durability by two. The same applies to a horizontal exposure. In addition, elevated temperatures (above +50 °C) (+122 °F) or pollution significantly reduce this durability.*

**NOTES:**

As the aesthetic criteria are not essential in the production and use of this product, please refer to the use of the BODYFENCE range for products whose aesthetic appearance is important. Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. In case of doubt, request an expert evaluation of the compatibility of the film and the glass in question. All of the published information is based on measurements regularly performed in the laboratory. The published information 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).