



## TECHNICAL DATA SHEET - SIGN VINYL SUPTAC S5000

A 65- $\mu$ m high-performance, calendered, polymeric PVC film, which is coated with a pressure-sensitive, solvent-based, acrylic adhesive.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	65	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.4	HEXRET001

### **LINER:**

- Silicone-coated Kraft paper 137 g/m<sup>2</sup>, with grey print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	15	
after 24 hours of application	18	
• Initial tack (N/25 mm):	16	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).		

### **ADHESIVE:**

- Colourless, solvent-based acrylic adhesive (white for S5136B).
- Immediate and permanent adhesion, suitable for wet application to flat surfaces only.

**USER'S INSTRUCTIONS:**

- Recommended minimum application temperature: +7 °C (+45 °F).
- Operating temperature range: -40 °C à +90 °C (-40 °F to +194 °F).
- For a uniform visual aspect, it is necessary to keep the same film application direction in order to ensure colour homogeneity according to the viewing angle.
- Using tape or self-adhesive film on the S5433B surface will modify its appearance.

*When removing the tape or self-adhesive film, sequins are torn off from the film surface and leave a visible mark.*

- In the case of an already painted substrate, 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.
- Adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.

**OPERATING RECOMMENDATIONS:**

- For more information on the application method of the SUPTAC film, please refer to the Application Guide on the "Professionals" pages, category "Plotter vinyls" on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 2 years when stored in its unopened original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

**INDICATIVE DURABILITIES:**

- The pigmentation (colour) of the PVC affects the stability duration of the dyes. An estimate of such a durability is confirmed by accelerated UV ageing tests performed on the Suptac films and by natural outdoor weathering.

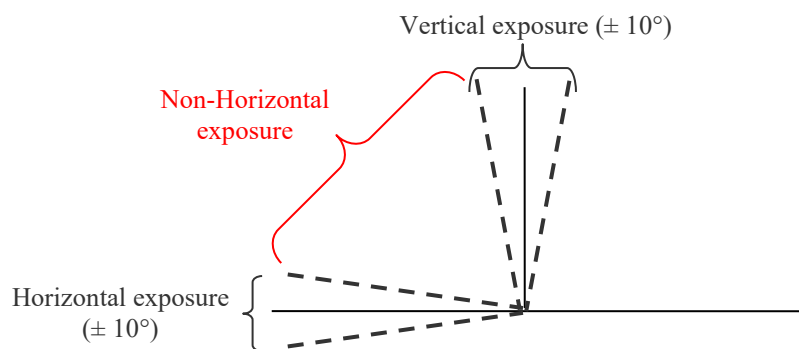
Dominant colour	Max. indicative durability (years) <sup>(1)</sup> Vertical exposure (± 10°) Central European climate
Glossy white, black	10
Colours, other tints	8
Metallic colours	4
S5NORB Nordic Blue, S5LEB Electric Blue, S5GBEB Beige Grey	2

**Chart I:** Vertical durabilities<sup>(1)</sup> Central Europe

- The results indicated below are obtained specifically in vertical ( $\pm 10^\circ$ ) outdoor exposure. The conditions of durability indicated in Chart 1 are inherent to this position up to a few degrees. Other positions accentuate climatic influences and an alteration in gloss or colour, or even a slight dusting may appear. Application to the vehicle bonnet is particularly severe, due to the horizontal exposure and the heat from the engine.
- To estimate the durabilities for non-vertical exposure, divide the durabilities in Chart 1 by the factors given in Chart 2.

Exposure	Dividing factor <sup>(1)</sup> Central European climate
Non-vertical exposure	2
Horizontal exposure ( $\pm 10^\circ$ )	2.8

Chart 2: Dividing factor



- The real durability of a product depends on a large number of parameters, including, among others, the quality and preparation of the substrate, exposure (environment, climate, exposure angle), graphics maintenance, and degree of pollution.

To find the indicative durabilities of the films for the country of exposure, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability in the "Professionals" pages of our website at [www.hexis-graphics.com](http://www.hexis-graphics.com).

**NOTES:**

(1) The indications of durability noted in this document do not constitute a binding guarantee. They are an estimate of the time during which the film retains a correct surface finish, from a conventional viewing distance.

A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials.

Due to the great variety of substrates and the growing number of new applications, the installer must check the absolute suitability of the medium for each specific application.

The measuring methods for the standards quoted above served as the basis for the development of our own measuring methods, which are available on request. Please feel free to contact us to get the latest instructions in use.

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).