



TECHNICAL DATA SHEET – SUPER CHROME HX30SCH00B

90- μ m, high performance, multi-layered, cast films, which are coated with a pressure-sensitive, solvent-based acrylic adhesive. Structured adhesive for faster application and easier air egress. Specially designed for temporary vehicle wraps. Their relative conformability enables you to cover certain curved or 3D-textured surfaces. Gloss surface finish with mirror effect.

FILM FEATURES:

	<u>Average values</u>	<u>Standard</u>
• Thickness (μ m):	90	
• Tensile strength (N/25 mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Shrinkage (mm) after 168 hours at 70 °C:	< 0.2	HEXRET001

LINER:

- Silicone-coated, embossed PET liner of 100 μ m
- Stable under hygrometric variations

ADHESIVE FEATURES:

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• 180° peel strength test (N/25 mm): after 20 minutes of application on glass after 24 hours of application on glass	17 19	HEXFTM001
• Initial tack (N/25 mm):	22	HEXFTM009
• Release (N/25 mm):	0.13	HEXFTM003

ADHESIVE:

- Solvent-based acrylic adhesive
- Structured adhesive for faster application and easier air egress
- Immediate and permanent adhesion, best after 24 hours of film application.
- Dry application

USER'S INSTRUCTIONS:

- Minimum application temperature recommended: +20 °C (+68 °F). Preferably apply at between +20 °C and +25 °C (+68 °F and +77 °F).
- Operating temperature range: from -40 °C to +90 °C (from -40 °F to +194 °F)
- The film must only be applied by a qualified professional.
- It is recommended that all removable components those might hinder the application (covers, strips, indicator lights...) be removed.
- The application surface must be clean, dry, smooth, non-porous and free of any traces of oil, grease, wax, silicon or components obtained via nanotechnology processes.

HEXIS declines all liability in the case of complaints made following the removal of the film occurring after the non-respect of the cleaning instructions for the substrate described in the Application Guide available on the "Professionals" pages, category "Full wrap" on our web site at www.hexis-graphics.com.

- Cut the film to the size of the part to be wrapped, allowing +10 cm (4 in).

The remaining film must be stored on its original core if possible in order to enable the film to keep an optimal aspect.

- The roll must be closed immediately and properly (Tiro or roll gripper) after use.
- Gloves (GANTSCOV) must be worn for handling the film.

Super Chrome films are fragile and sensitive to scratching or marking.

- To enhance the surface sliding of the squeegee on the film while limiting the risk of scratches during application, it is highly recommended to spray our application liquid MAGICSPRAY on the squeegee surface covered with new felt.
- The film must be thoroughly inspected and in detail before removal of the HEX'PRESS liner.

HEXIS declines all responsibility in the case of complaints made following the report of an appearance flaw (scratches, bubbles, matt area...) made after removal of the HEX'PRESS liner.

- For all already painted substrates, apply only on original, undamaged, correctly prepared paintwork, or on paintwork that matches the manufacturer's quality requirements and specifications. This type of paintworks must be dried and entirely degassed at the time of wrapping.

HEXIS declines all responsibility for applications made on non-conform or incompatible substrates.

- Relatively conformable product, only suitable for rolling devices and rolling vehicles.
- Heating temperature of the film during application procedures: +30 °C to +40 °C (+86 °F to +104 °F)
- Maximum acceptable deformation: 20 %

Given their composition, Super Chrome films can undergo a slight and irreversible alteration of their appearance (whitening, loss of gloss...) if the films are stretched / deformed beyond their limit. This type of defect is not covered by the HEXIS warranty.

- As much as possible, make the finishing cuts around 3 mm (1 ½ in) wider than the surface to be wrapped. Then apply the surplus film to the adjacent or opposite sides, under the joints and strips, etc.

This procedure aims to limit the risk of the product peeling off, caused by the mechanical constraints exerted on the edges of the film.

- Carry out a finishing cleaning procedure of the totality of the coverage, using the product LASERWASH by PROTECH® and a microfiber cloth in order to remove any impurities that can have been deposited during application of the film, taking care of not to focus too heavily on the edges.
- Super Chrome films get dirty more easily than any other gloss PVC film. This type of film requires more gentle and more thorough cleaning than any other film with, depending on the case, a natural sponge or microfiber cloth, water or the PROTECH® products distributed by HEXIS.

Note: Wait 92 hours after application, so that the adhesion be optimal, before carrying out the first cleaning procedure with water.

HEXIS declines all responsibility in cases of cleaning procedures performed with products with undetermined additives, high pressure or automatic cleaning equipment, or any methods not specifically approved by HEXIS in writing.

RECOMMENDATIONS FOR USE:

- Recommendations (whenever possible): Sunlight and prolonged exposure to weather and pollution may provoke aging of the film⁽¹⁾. A vehicle wrapped with Super Chrome film must be protected from the weather (rain, dew...) as often as possible: during the day, park in the shade; at night, park the vehicle in a closed garage (otherwise, cover the vehicle with a loose protective cover).
- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of the colour tints. Nevertheless, should your project require the use of several rolls of a single colour reference, HEXIS recommends that you use only one batch number of this colour.
- For each project, a sample (size: approximately A4 format) of each roll must be conserved.

HEXIS reserves the right to refuse any client complaint for which the client is unable to provide with the unused samples suspected of non-conformity.

- For further information on the application method of the Super Chrome films, please refer to the Application Guide available on the "Professionals" pages, category "Full wrap" on our website at www.hexis-graphics.com.

STORAGE:

- Shelf life (before application):

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

- After use:

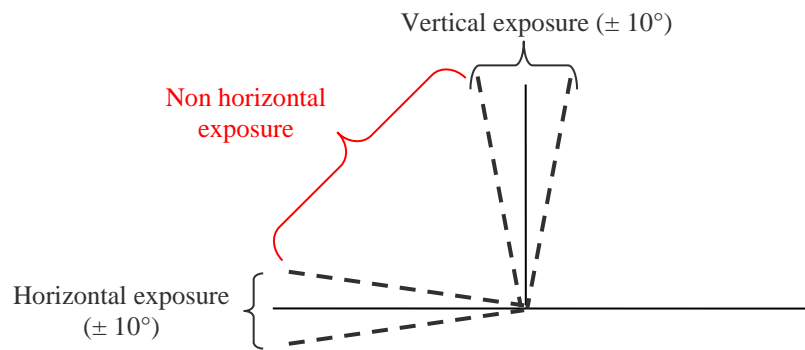
Coil always protected by the surface liner, correctly closed using a Tiro-like adhesive tape or a roll-collar (DSERBO), in its original packaging at a temperature ranging from +15 °C to +25 °C (from +59 °F to +77 °F) and a relative humidity between 30 % and 70 %.

INDICATIVE DURABILITIES: (Central Europe)

- Outdoor vertical exposure, not cleaned: up to 1 year
- Cleaned film: depends on the mode and frequency of the cleaning.
- The results indicated above are notably obtained from outdoor vertical exposure ($\pm 10^\circ$ angle). Any other position accentuates the climatic impacts and furthers the appearance of gloss and colour alteration, even a slight dusting phenomenon. Application on a vehicle bonnet/hood is particularly severe, because of the combination of a horizontal exposure and the heat coming from the engine.
- The pigments (colouring) have an influence on the durability of the colours. An estimate of this durability is obtained via accelerated aging tests through UV rays and outdoor exposure.
- To estimate the durabilities for non-vertical exposure, divide the durabilities in the table below by the factor given.

Exposure	Division factors ⁽²⁾
	Central Europe climate
Non vertical exposure	2
Horizontal exposure ($\pm 10^\circ$)	2.8

Table: Division factors



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

NOTES:

(1) If an important degradation of the film (due to prolonged exposure to sunlight, weather, polluting agents) appears (discoloration, powdering, tanning...), it must be immediately removed from the vehicle in order to avoid any damage to the underlying paint.

(2) The durabilities indicated in this document do not constitute a warranty. They are an estimate of the duration during which the film keeps a correct appearance at the customarily observation distance.

A slight and progressive modification of the colour and brightness is a natural and unavoidable phenomenon inherent to the natural degradation of materials.

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application.

The measuring methods for the standards quoted above served as 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 information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.