HXE3000

PRODUCT DESCRIPTION:

Range comprised of 80-µm, calendered, monomeric PVC that is coated with a pressure-sensitive acrylic adhesive. Structured adhesive for faster application and air evacuation. It has a matt or glossy surface finish.

FILM FEATURES:

• Thickness	(Indicative value) 80 µm	
• Tensile strength	(Average values) min. 40 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 100 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.8 mm	Method HEXRET001

LINER:

- Silicone-coated and embossed PE paper 145 g/m² with light blue HEXIS print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

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

• Peel strength test at 180° ; Measurement support glass		
after 20 minutes of application	(Average values) 17 N/25 mm	Method HEXFTM001
after 24 hours of application	(Average values) 18 N/25 mm	Method HEXFTM001
• Initial tack	(Average values) 22 N/25 mm	Method HEXFTM009
• Release	(Average values) 0.1 N/25 mm	Method HEXFTM003

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).

ADHESIVE:

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

USER'S INSTRUCTIONS:

- Dry application method

It is mandatory to use the so-called «dry» application method with this film, due to its HEX'PRESS *liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- Apply to an untreated surface, free from all traces of contaminants (dust, grease, wax, silicone etc.) and cleaned with a soapy liquid without anti-adherent additives.

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

- Hygrometry influences the quality of the application.

On a cold window condensation may occur between the window and the adhesive film; it is therefore advisable to heat the substrate.

FTP.DAO.135A 05.26

Both the ambient and the substrate temperature must comply with the minimum application temperature.

- The film or paper transfer tape allows you to press the squeegee firmly over the entire surface of the graphic to be transferred.
- 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.

STORAGE:

Storage period before use
2 years

Relative humidity during storage
with relative humidity between 30 % and 70 %

Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)

Storage method before use
in its unopened original packaging

DURABILITY: CENTRAL EUROPEAN CLIMATE

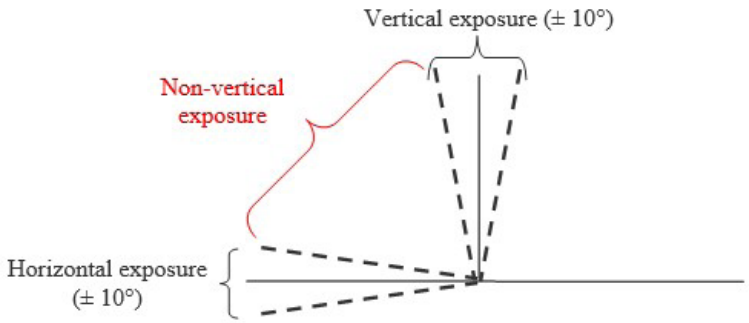
Dominant colour	Max. indicative durability (years)[1] Vertical exposure (± 10°)
white, black	*6*
Colours, other tints	*5*
Colour with red, yellow/orange tendency	*2*

Chart 1 : Vertical durabilities[1] Central Europe

- 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 HXE3000 films and by natural outdoor weathering.
- The results indicated below are obtained specifically in vertical (± 10°) 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 a 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 [1] Central European climate
Non-vertical exposure	*2*
Horizontal exposure (± 10°)	*2,8*

Chart 2: Dividing factor



- The actual 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 any other exposure and geographical area, please refer to the «Conversion rules for indicative durabilities according to geographical area» chart available under Durability, on the «Professionals» pages on our site www.hexis-graphics.com.

NOTES:

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. 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.