S5DEPM and S5DP Series



ETCHED GLASS

PRODUCT DESCRIPTION:

Film composed of an 80-µm, calendered, polymeric PVC, which is coated with a pressure-sensitive, acrylic adhesive.

FILM FEATURES:

• Thickness	(Indicative value) 80 µm	
• Tensile strength	(Average values) min. 35 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 100 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.4 mm	Method HEXRET001

LINER:

- Silicone-coated Kraft paper 137 g/m² with grey 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) 16 N/25 mm	Method HEXFTM001
after 24 hours of application	(Average values) 21 N/25 mm	Method HEXFTM001
• Initial tack	(Average values) 16 N/25 mm	Method HEXFTM009
• Release	(Average values) 0.2 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; suitable for wet application.

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)

- The films should preferably be stored in the same environment as the cutting station.
- If the pressure during cutting is too high, the protective liner (silicone-coated paper) may slightly crack causing adhesive bleeding. This would make the weeding process more difficult and the paper liner could even peel off in the cutting area. In any case, it is recommended to weed the material immediately after the cutting.

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

- Apply to an untreated surface that is clean and free from all traces of contaminants (dust, grease, wax, silicone, etc.).

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.

Clean with soapy water only.

- The film transfer tapes (HEX909, HEX930) allow you to press the squeegee firmly over the entire surface of the graphic to be transferred.

If using HEX930 tape, the film must solely be applied according to the dry application method.

- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from softer to harder (plastic or felt).
- In a cold environment, the transfer tape should be left on longer before its removal as several days are necessary to complete the final adhesion of the film.
- If bubbles appear during the dry application, only use a needle to pierce and expel the air as a cutter would weaken the film in this area.
- 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.

OPERATING RECOMMENDATIONS:

- For a window glass application, due to a variety of light exposures and conditions, especially when applied with a backlight, it is recommended to perform a preliminary test before each type of application.
- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.
- For further information on the application method of the etched glass films, please refer to its Application Guide available under the «Professionals» heading, in the «Plotter vinyls" category on our website www.hexis-graphics.com.

STORAGE:

Storage period before use
2 years

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

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

Storage method before use
in its unopened original packaging

DURABILITY:

- The pigmentation (colour) of the PVC affects the stability duration of the dyes. These stabilities are confirmed by UV ageing tests performed on ETCHED GLASS polymers and by natural exposure; the durations given are the periods during which the surface finish is expected to be free from any gradual reduction or modification.

Colours	Central European climate	Climate Mediterranean climate	Climate Tropical Oceanic climate	Climate Desert climate
S5DEPM	*8 years*	*7 years*	*5 years*	*4 years*
Coloured etched glass	*Up to 4 years*	*Up to 3 years*	*Up to 3 years*	*Up to 2 years*

- These results were obtained from a vertical outdoor exposure and the indicated conditions of durability 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 (outdoors).

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.

CERTIFICATION:

Fire-smoke classification



Fire-smoke classification standard
EN 13501-1

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.

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