



TECHNICAL DATA SHEET - SIGN VINYL E3GIVM

Film composed of an 80- μ m cadmium-free, calendered, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Frosted surface finish.

FILM FEATURES:

| | <u>Average values</u> | <u>Standard</u> |
|--|-----------------------|-----------------|
| • Thickness (μ m): | 80 | |
| • Tensile Strength (N/25 mm): | min. 40 | HEXNFX41021 |
| • Elongation at break (%): | min. 100 | HEXNFX41021 |
| • Shrinkage 168 hours at +70 °C (158 °F) (mm): | < 0.8 | HEXRET001 |

LINER:

- Silicone-coated Kraft paper 137 g/m², with blue Hexis print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

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

| | <u>Average values</u> | <u>Standard</u> |
|--|-----------------------|-----------------|
| • Peel strength test 180° on glass (N/25 mm): | | HEXFTM001 |
| after 20 minutes of application | 21 | |
| after 24 hours of application | 26 | |
| • Initial tack (N/25 mm): | 15 | HEXFTM009 |
| • Release (N/25 mm): | 0.20 | 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

The minimum temperature must be complied with both in terms of ambient and substrate temperature.

- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
- 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 already painted substrate, self-adhesive media must only be applied onto 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 applying with backlight, it is recommended to perform a preliminary test before each type of application.
- For more information on the application method E3GIVM, please refer to the Application Guide ETCHED GLASS/FROST/CRYSTAL on the "Professionals" pages, category "SIGN VINYL" on the site www.hexis-graphics.com

STORAGE:

- Shelf life (before application):

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

DURABILITY: (Central European climate)

- Vertical exposure on flat surfaces: 3 years

NOTES:

Due to 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 the published information is based on measurements regularly performed in the laboratory. It 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.