



## TECHNICAL DATA SHEET - DIGITAL PRINTING - ANTI-SLIP LAMINATE - PERMANENT ADHESIVE

**GFLX230**

Film composed of a 230- $\mu$ m calendered, polymeric PVC, with grain surface finish, which is coated with a pressure-sensitive acrylic adhesive. Particularly suitable for laminating digital printing; to be applied to outdoor floors. This laminate provides floors with additional safety against the risk of slipping.

**FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	230	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 60	HEXNFX41021
• Elongation at break (%):	min. 130	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.7	HEXRET001
• Anti-slip properties:	R12	DIN 51130

**LINER:**

- Silicone-coated Kraft paper 137 g/m<sup>2</sup> unprinted.
- 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	9	
after 24 hours of application	13	
• Initial tack (N/25 mm):	13	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

**ADHESIVE:**

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion, suitable for wet application.

**USER'S INSTRUCTIONS:**

- Dry application method.
- HEXIS recommend applying the GFLX230 film using an application roller or wheel, such as APPLIC15 or ROLLRIV or a stiff-bristle brush (e.g. washing-up brush) for UV printing.

*It is strongly advised not to apply the film using the laminator since abrasive particles may remain attached to the lamination cylinders and damage the laminator as well as subsequent graphics. In such a case, thoroughly clean the cylinders after lamination.*

- Due to its structure, the film can be used in different places, including stairways or slopes with gradients up to 35° (protocol no.: BBV 1419162-01 drawn up in accordance with standard DIN 51130).
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- In the case of 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:**

- Before applying this laminate to a HEXIS digital printing film, optimal drying time for the inks is:
  - 48 hours for a cast film.
  - 24 hours for a calendered film.

**STORAGE:**

- Shelf life (before application):

The shelf life of this film is 2 years when stored upright in its original packaging in a dust-free environment at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

**DURABILITY:** (Central European climate)

- Vertical exposure: The shelf life of this film is 1 year in normal operating conditions.  
on the floor: up to 6 months.

*The shelf life of the film on the ground depends on the frequency and type of traffic (shoes, carts, etc.) to which it is subject.*

**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](http://www.hexis-graphics.com).