



## GFLIR170

Film composed of a 170- $\mu\text{m}$ , clear, calendered, monomeric PVC whose surface is embossed and which is coated with a pressure-sensitive acrylic adhesive. Intended for laminating the UV inkjet printed films; to be applied to floors. This structured laminate provides floors with additional safety against the risk of slipping.

### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu\text{m}$ ):	170	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 60	HEXNFX41021
• Elongation at break (%):	min. 130	HEXNFX41021
• Surface roughness ( $\mu\text{m}$ ):	min. 20*	HEXRUG001
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 1	HEXRET001
• Anti-slip properties:	R9	DIN 51130

\* A surface roughness of less than 10  $\mu\text{m}$  indicates a potentially hazardous floor in wet conditions.

### **LINER:**

- Silicone-coated paper 87 g/m<sup>2</sup>, with grey 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	27	
after 24 hours of application	30	
• Initial tack (N/25 mm):	31	HEXFTM009
• Release (N/25 mm):	0.4	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:**

- For indoor use only.
- Particularly suitable for cold laminating UV inkjet prints.

*Optimal drying time for the UV inks is 24 hours although the ink is solid immediately after printing. The polymerisation and reticulation time of the inks is variable upon the printer used and the quantity of ink applied. Please comply with this minimum waiting time before laminating the UV inkjet printed film.*

- Due to its structure, the film can be used in different places, including stairways or slopes with gradients of up to 10° (protocol no.: BBV 1819139-01 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).
- The film can be cleaned using soapy water and an abrasive scouring pad.
- 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.

**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 and +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

**DURABILITY:**

- Indoor exposure: 1 year upon substrate, type of traffic (shoes, carts, number of visitors, etc.) and cleaning.

**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).