



GFLIR170

PRODUCT DESCRIPTION:

Film composed of a 170-µm, transparent, calendered, monomeric PVC with an embossed surface and which is coated with a pressure-sensitive acrylic adhesive. Intended for laminating the UV inkjet printed films which are to be applied to floors. This structured laminate provides floors with additional safety against the risk of slipping.

FILM FEATURES:

• Thickness	(Indicative value) 170 µm	
• Tensile strength	(Average values) min. 60 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 130 %	Method HEXNFX41021
• Surface roughness	(Average values) min. 20*	Method HEXRUG001
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 1 mm	Method HEXRET001

* A surface roughness of less than 10 µm indicates a potentially hazardous floor in wet conditions.

LINER:

- 75-µm, unprinted PET liner.
- 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) 28 N/25 mm	Method HEXFTM001
after 24 hours of application	(Average values) 31 N/25 mm	Method HEXFTM001
- Initial tack

	(Average values) 31 N/25 mm	Method HEXFTM009
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- Release

	(Average values) 0.2 N/25 mm	Method HEXFTM003
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- The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

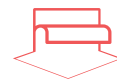
ADHESIVE:

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

USER'S INSTRUCTIONS:

- Recommended minimum application temperature: +10 °C (+50 °F)
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
 - 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°.
- The film can be cleaned using soapy water and an abrasive scouring pad.
- In the case of an already painted substrate, apply to undamaged original paintwork only. 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



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



Relative humidity during storage
with relative humidity of 50 %



Storage area
in a dust-free environment



Storage method before use
in its original packaging



Orientation of rolls before use
vertically

DURABILITY:

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

CERTIFICATION:

Anti-slip rating



Standard of anti-slip rating
DIN 51130

Anti-slip rating protocol no.
89222969 001 rev 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.