



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

GFLIR170

Film composed of 170- μ m, transparent, calendered, monomeric PVC with an embossed surface and 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:

| | <u>Indicative value</u> | |
|---|-------------------------|-----------------|
| • Thickness (μ 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 (μ m): | min. 20* | HEXRUG001 |
| • Shrinkage 168 hours at 70 °C (158 °F) (mm): | < 1 | HEXRET001 |

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

LINER:

- 75- μ m PET liner, 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 | 28 | |
| after 24 hours of application | 31 | |
| • Initial tack (N/25 mm): | 31 | 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:

- 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°.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C à +90 °C (-40 °F to +194 °F).
- The film can be cleaned using soapy water and an abrasive scouring pad.
- In the case of painted substrates, 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 a relative humidity of 50 %.

DURABILITY:

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

CERTIFICATIONS:

| Anti-slip rating | Report | Standard |
|------------------|--------------------|-----------|
| R9 | 89222969 001 rev I | DIN 51130 |

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.