



TECHNICAL DATA SHEET - DIGITAL PRINTING - OPACIFIED PVC - REMOVABLE ADHESIVE

HX210WG2

A film composed of 70- μ m calendered, polymeric PVC, which is coated with a black, removable, pressure-sensitive acrylic adhesive. The adhesive is micro-structured for faster application and air evacuation. Usable for solvent, eco-solvent, latex and UV inkjet printing. It has a glossy surface finish.

FILM FEATURES:

| | <u>Indicative values</u> | |
|--|--------------------------|-----------------|
| • Thickness (μ m): | 70 | |
| • Total thickness of the product (μ m): | 260 | |
| | <u>Average values</u> | <u>Standard</u> |
| • Total weight of the product (g/m^2): | 280 | HEXGSM001 |
| • Tensile strength (N/25 mm): | min. 35 | HEXNFX41021 |
| • Elongation at break (%): | min. 100 | HEXNFX41021 |
| • Shrinkage 168 hours at 70 °C (158 °F) (mm): | < 0.3 | HEXRET001 |

GENERAL PRINTER COMPATIBILITES:

| | Solvent | Eco-solvent | Latex | UV |
|-----------------|----------------|--------------------|--------------|-----------|
| HX210WG2 | ✓ | ✓ | ✓ | ✓ |

LINER:

- Silicone-coated and embossed PE paper 145 g/m^2 , with light 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 | 8 | |
| after 24 hours of application | 8 | |
| • Initial tack (N/25 mm): | 9 | HEXFTM009 |
| • Release (N/25 mm): | 0.1 | HEXFTM003 |
| • Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils). | | |

ADHESIVE:

- Black, solvent-based acrylic adhesive.
- Structured adhesive for faster application and air evacuation.
- Immediate adhesion; removable adhesive.

USER'S INSTRUCTIONS:

- Touch-dry after less than 10 minutes depending on the printer used.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range (outdoors): -20 °C to +60 °C (-4 °F to +140 °F).
- Dry application method.

It is mandatory to use the nominal "dry" application method with the HX210WG2 film, due to its HEX'PRESS liner. This technology allows easy repositioning of the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.

- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. except for granular substrates or substrates coated with acrylic paint.

When applied to laminated monomeric or polymeric PVC films, the removable adhesives can become semi-permanent. The duration of application and the type of exposure may accelerate this phenomenon.

- 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.
- Minimum temperature recommended for film removal: 20 °C (68 °F).

If the temperature is lower, a heat gun can be used to facilitate the removal of the film.

OPERATING RECOMMENDATIONS:

- The PVC film HX210WG2 is polymeric calendered in a similar way to the products of the 200 series. The estimated lifetime of the unlaminated, blank PVC film is 7 years if it is used under standard exposure conditions on a smooth, non-porous, properly prepared, non-degassing surface.
- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls, HEXIS recommend using only a single batch number of each reference.
- Optimal drying time for the inks before laminating or further processing is 24 hours minimum.
- The surface finish of the prints may be modified/improved/protected by applying the appropriate laminate: V750 or PC500. For UV prints, use the protective VCR750 laminate.

STORAGE:

- Shelf life (before application):

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

DURABILITY: (Central European climate)

- Vertical outdoor exposure on flat, smooth and non-degassing surfaces:
 - up to 5 years.
- Removability on smooth and non-porous surfaces:
 - 2 to 3 years without significant traces of adhesive.

Beyond this period, the film can exhibit a behaviour similar to that of a film with a permanent adhesive.

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.