

# PRODUCT BULLETIN

## APPLICATION AND REMOVAL METHOD Adhesive-coated microperforated film

# MICROINSID

### REQUIRED EQUIPMENT

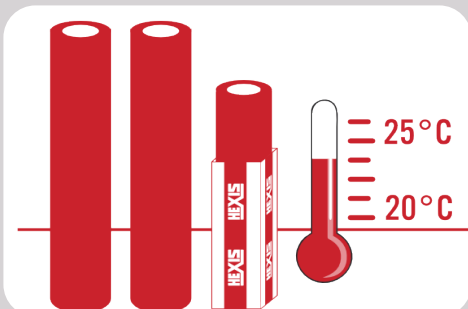
- › SCRUBFLOOR window scraper
- › SHAGCLEAN cleaning liquids
- › Masking tape
- › Cutter
- › Lint-free gloves
- › Squeegees of your choice from the catalogue
- › Silicone-coated PAPPERDU paper

### STORE YOUR FILMS UNDER APPROPRIATE CONDITIONS

Keep off the films from any major source of heat (radiators and heaters, direct exposure to sunlight, etc.): the best temperature ranges from 20 °C to 25 °C (from 68 °F to 77 °F).

Store them in an atmosphere with low humidity (with relative humidity between 40 % - 60 %).

Keep your films in their original packaging. Each opened roll must be stored vertically or suspended in order to avoid pressure marks on the contact surface.



### FEATURES

The adhesive-coated microperforated MICROINSID film is intended for indoor use on windows and glass doors. It is suitable for standard solvent and eco-solvent inkjet printing on the adhesive-coated white face. This film particularly adapted for promotional events features a good vision to outwards through the black face.

### PREPARING YOU APPLICATION SURFACE

This MICROINSID film can be applied to any glass surface as long as the target surface is clean, dry, smooth, non-porous and free from any traces of oil, grease, wax, silicone or other contaminants. To avoid unexpected outcomes, always assume that every substrate is dirty and needs to be cleaned. (Cf. chapter 3. CLEANING:, page 2).

For further technical information, please refer to the data sheets available on the "Professionals" pages on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).

### SUMMARY

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## 1. RECOMMENDATIONS:

- › For application on mineral glass surfaces; any other surface type must be tested.
- › It is mandatory to wear lint-free gloves when handling the film.
- › Leave the adhesive-coated protection liner (PET) on the film until the application is fully completed.
- › Transportation of the printed film: wound around a cardboard core (printed face on the outer side).
- › The adhesive-coated face of the MICROINSID film (printed or unprinted) must imperatively be protected with silicone-coated PAPPERDU paper until the inks have dried completely.
- › For a project requiring several film lengths, avoid overlapping for aesthetic reasons. The lengths should be applied next to each other, leaving a gap of 1 mm to 2 mm between the two MICROINSID lengths.

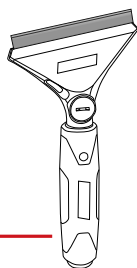
## 2. FILM PRINTING:

- › Printing must be done on the adhesive-coated, white side.
- › Graphics with vivid colours may require a high-level ink saturation during printing.
- › Depending on the printer, set the feed rollers to medium pressure and, to limit film slipping during printing, unroll the film manually (while preventing it from touching the ground).
- › Insert at least 10 mm of the film into the printer prior to starting the printing.
- › Recovery and drying of the film must only be done in a flat position, immediately after the printing operation.
- › The printed MICROINSID film is touch-dry after 10 minutes maximum, but it is recommended to leave a drying time of 24 hours before cutting and applying the film.

## 3. CLEANING:

### 3.1. Scraper:

Scrape the windows that will be covered with the MICROINSID film using the SCRUBFLOOR scraper in order to remove any surface contamination (excess rubber, stuck-on dust, etc.).



SCRUBFLOOR  
Window scraper

### 3.2. Detergent:

Degrease the application surface with the SHAGCLEAN product while paying particular attention to the edges.



SHAGCLEAN  
Cleaning and  
degreasing finishing  
agent

## 4. APPLICATION:

The MICROINSID film is perfectly suitable for applications to windows and glass doors of buildings.

Ensure that the graphic is fully dry before film application.

⚠ It is mandatory to use the so-called “dry” application method with the MICROINSID film.

The application temperature ranges from 10 °C to 50 °C (50 °F to 122 °F) (minimum 7 °C (45 °F)) and must be respected for both the ambient and the glass substrate temperatures. Application to a hot substrate will give better results.

⚠ The MICROINSID's protection liner (PET) and silicone-coated protection paper (PAPPERDU) must still adhere to the film.

⚠ Leave a 1-mm space between the window seals and the edge of the MICROINSID film. The application to window seals may later lead to the film peeling off.

► Place the MICROINSID film on the application surface, with the silicone-coated paper (PAPPERDU) against the glass.

► Tape the MICROINSID film into place at both sides by applying 2 strips of masking tape positioned at about 10 cm (4 in.) from the top edge. (FIG. 01)



Figure 01

► Remove the silicone-coated paper (PAPPERDU) from the top edge until the masking tape strips. Cut the paper without touching the MICROINSID film. (FIG. 02)



Figure 02

► Apply the film with the squeegee previously covered with felt, carrying out movements from the centre towards the borders. (FIG. 03)



Figure 03



Figure 04

- › Once the graphic is correctly positioned and applied to the top, remove the masking tape and the silicone-coated paper (PAPPERDU) completely. (FIG. 04)



Figure 05

- › Then proceed with the squeegeeing of the MICROINSID film. Firmly move the squeegee from the centre outwards. Continue until the whole MICROINSID film is applied to the surface.
- › Firmly press the squeegee in the corners and over the film edges. (FIG. 05)



Figure 06

- › Cut, if necessary, the excess film with a cutter, while taking care to spare the window seals. (FIG. 06)

⚠ Leave a 1-mm space between the window seals and the edge of the MICROINSID film. The application to window seals may later lead to the film peeling off.

*Advice:* In order to protect the window seals and to avoid zigzag cutting, the squeegee must be leant on the outer edge of the seal and the cutter blade must be leant on the squeegee by forming a 45-degree angle with the window. Then move the squeegee-cutter assembly together.

- › For a project requiring several film lengths, please refer to the application procedure of § 4 until complete application of all lengths.

⚠ Match the perforations and the graphic by leaving a 1-mm space between the lengths.



- › Once all film lengths applied, carefully remove the protection liner(s) (PET) from the film by forming a 180° angle. (FIG. 07)



Figure 07

- › Squeegee the length(s) by pressing firmly on the edges and corners. (FIG. 08)



Figure 08

- › The application is complete. (FIG. 09)



Figure 09

## 5. REMOVAL PROCEDURE OF THE MICROINSID FILM:

To remove the MICROINSID film, we recommend the following method:

Starting from a corner, lift the film using a cutter and gently remove it in order to limit the risk of leaving any adhesive on the substrate.

If any adhesive residues remain on the substrate, remove them by rubbing the surface with a cloth and soapy water or a standard window cleaner.

For further technical information, please refer to the Technical Data Sheets available for free download from our website [www.hexis-graphics.com](http://www.hexis-graphics.com) on the "Professionals" pages.

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. None of the information constitutes however 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).

