HEXIS

PRODUCT BULLETIN

APPLICATION AND REMOVAL METHOD
Microperforated Films
MICROCGUV

REQUIRED ACCESSORIES
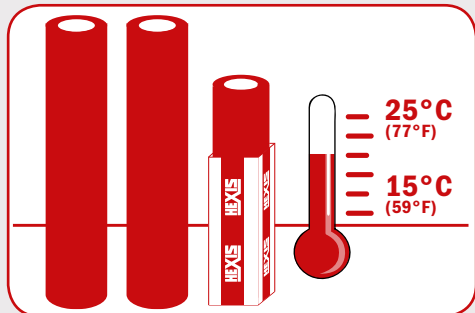
› A rigid squeegee
› A cutter
› Masking tape
› ND 45 degreaser
› HEXIS'O cleaner
› A GRATVITRE window scraper
› Sealing tape FPG836 (flat surfaces)
› DECOLL'VIT cleaner
› A sheet of felt

ALWAYS STORE VINYL ROLLS AT THE RECOMMENDED CONDITIONS

Keep the film away from sources of heat (radiators, exposure to direct sunlight...): the ideal storage temperature is between 15 and 25°C (59 and 77°F). Store in an atmosphere with low humidity (50% relative humidity).

Keep your films in their original packing. Each opened roll must be stored vertically or suspended from the core in order to avoid pressure marks on the contact surface, in a dustfree environment.

Shelf life before application: 1 year stored under the above conditions.

25°C (77°F)

15°C (59°F)

CHARACTERISTICS

The clear microperforated film MICROCGUV is a self-adhesive gloss film to be printed with a mirror image on UV printers designed for indoor application on flat glass surfaces. The MICROCGUV is made of a 145-µm polymeric PVC and once printed allow viewing from the inside towards the outside on 40% of the surface.
Laminating for the protection of the graphic is not required.

PREPARING THE APPLICATION SURFACE
The MICROCGUV film can be applied to wide variety of substrates such as windows on buildings or flat glass on vehicles such as side windows on busses, provided the target surface is clean, dry, smooth, non-porous and without any traces of oil, grease, wax, silicone or other contaminating agents.
Do not hesitate to refer to the date sheet of each film used available on our website www.hexis-graphics.com..

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Application methods are based on the manufacturer's experience and are not restrictive. To ease application, comply with recommendations. HEXIS also offers training sessions to enable professionals to achieve optimum results.

1. RECOMMENDATIONS

› The MICROCGUV film is intended for application on non-submerged glass surfaces.

› The MICROCGUV films is designed to adhere to any untreated mineral glass surface. Any treatment of the glass may alter the adhesion and lead to problems.

› For a professional appearance juxtaposition is preferable to overlapping applications.

› The MICROCGUV film must only be applied unto flat or only slightly curved surfaces.

› Laminating of the MICROCGUV is not required.

2. PRELIMINARY CLEANING OF THE SUBSTRATE

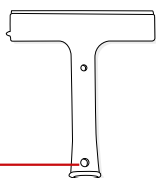To avoid unpleasant surprises assume that all substrates are contaminated and must be cleaned.
Before applying the film on the surface to be wrapped we recommend you comply with the instructions that follow.

⚠Carry out a preliminary test on a small surface in order to check the compatibility of the products with the substrate.

2.1 Scrape

GRATVITRE
window scraper

Scrape the window surface intended for the MICROCGUV film with the GRATVITRE to remove any surface contamination (traces of rubber, dust, dirt…).

ND45
strong cleaner
and degreaser

2.2 Degrease
Clean the substrate with the ND45 degreaser insisting on the edges of the surface.

⚠ *As the liquid may damage seals, take all necessary care before cleaning.*
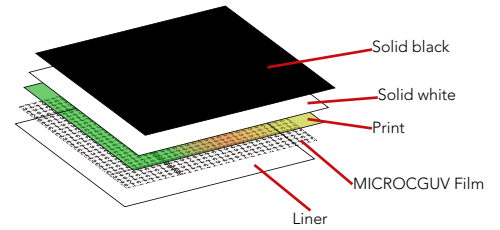
2.3 Wash

HEXIS'O
cleaning agent and
degreaser

Clean the glass surfaces with HEXIS'O.

3. PRINTING OF THE FILM

› On a UV printer print a mirror image of the graphic on the non-adhesive side.

› On a UV printer print a solid white background over the entire film ti increase the contrast of the graphic and to ensure visibility from the outside.

› On a UV printer print a solid black layer on top of the solid white to ensure visibility from the inside towards the outside once the product is installed.

Solid black

Solid white

Print

MICROCGUV Film

Liner

4. APPLICATION OF THE FILMS

The MICROCGUV film is designed for indoor applications on flat window glass in buildings or vehicles.

The dry application method must be used.

WET APPLICATION IS STRICTLY FORBIDDEN
MICROPERFORATED FILMS MUST ONLY BE APPLIED ON THE GLASS SURFACE, NEVER ON SEALS.

The minimum application temperature is 10°C (50°F) both for the environment and the glass substrate.
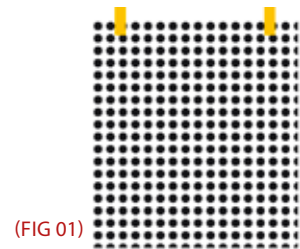
A protective seal for microperforated films (see chapter 5. PROTECTIVE SEALING, page 4) may be used along the edge of the film.

› During installation leave a space of 1mm (0.05in) between the edge of the film and the window seals or 5mm (0.2in) if you want to apply a protective strip over the edge of the film.

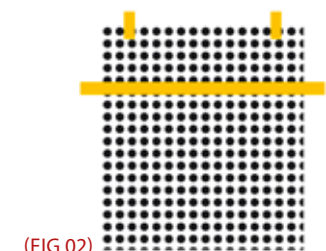⚠ Installing over seals may lead to the lifting off of the film.

› Position the MICROCGUV film with the liner on the target surface.

› Fix the MICROCGUV at the top with the help of small strips of masking tape (FIG. 01).

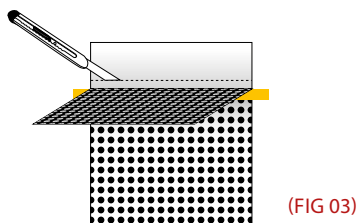Pay particular attention to the position of the film in the case of a vehicle full wrap.
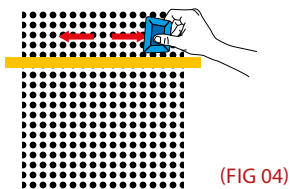
(FIG 01)

› Apply a strip of masking tape across the graphic from one side to the other near the top at about 10cm (4in) from the edge. (FIG. 02)
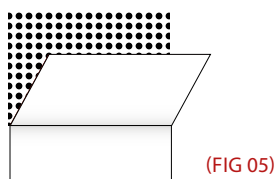
(FIG 02)

(FIG 03)

› Remove the liner from the top down to the tape acting as a hinge, cut the liner without touching the microperforated film (FIG 03)

(FIG 04)

› Apply the film with a squeegee preferably covered with a felt sheet working from centre to the sides. (FIG 04)

(FIG 05)

› Once the graphic is correctly positioned and applied at the top, remove the masking tape and the liner. (FIG 05)

› Proceed then with the squeegeeing of the MICROCGUV film. Use the squeegee and firmly apply from the centre to the sides. Continue until the full surface of the film is applied.
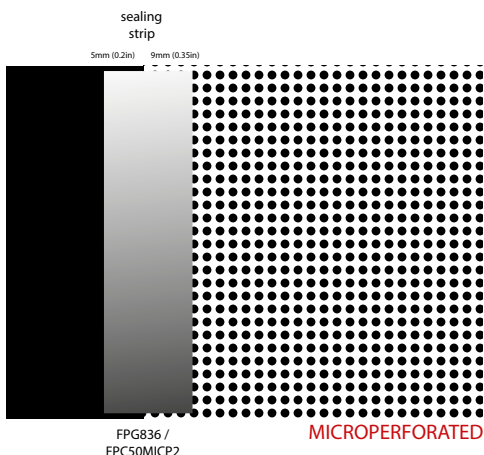
› Pay particular attention to corners and the contour.

› Cut the microperforated at 1mm (0.05in) from the window seal or cut at 5mm (0.2in) and apply a sealing tape or sealing varnish (chapter 5) if necessary.

⚠ *Leave a space of 1mm (0.05in) between the seal and the microperforated film. Installing the film over seals may lead to the film lifting off.*

⚠ *Be careful not to damage the seal by avoiding any contact with the blades.*

› Finally seal the edges of the film if necessary (Cf. chapter 5. EDGE SEALING FOR MICRORPERFORATED FILMS page 8)

sealing strip

5mm (0.2in)   9mm (0.35in)

FPG836 / FPC50MICP2

MICROPERFORATED

(FIG 06)

5. PROTECTIVE SEALING

It is possible to protective strips over the edges of the microperforated film if the films is installed in an environment exposed to heavy stress (rubbing, frequent cleaning...).

HEXIS recommends to use stripes of PG836 laminate for microperforated films on flat surfaces

› Apply the stripes on top overlapping 5mm (0.2in) on the glass and 9mm (0.35in) over the MICROCGUV film. (FIG 06)

⚠ The protective stripes must only be applied onto the glass and never on any seals.

6. CLEANING AND MAINTENANCE OF MICROPERFORATED FILMS

› Do It is strongly recommended to wait at least 24 hours after the application of the MICROCGUV before cleaning. Cleaning at an earlier moment might interfere with adhesion and result in the film peeling off.

› HEXIS is not liable for films cleaned with undetermined cleaning agents that might be used in car washes.

7. REMOVAL OF MICROPERFORATED FILMS

To remove micro-perforated film, we recommend the following method:

› Use a heat gun and heat the film starting in a corner to about 50°C (122°F); check the temperature with a laser thermometer.

⚠ Use the heat gun with reason to preserve the properties of the film.

› Carefully lift the corner with a cutter blade without damaging the glass surface and gradually as the heating progresses lift off the film; lift the film at an angle of 70° to 80° to the substrate.

⚠ A higher or sharper angle will allow the film to tear.

› Proceed by small areas heating and removing the film carefully to avoid leaving adhesive residues.

› Continue heating and removing the film with care until the entire surface is removed paying particular attention to the temperature, the right angle of the film and the steady speed.

› If any adhesive residues remain, use a cloth soaked in DECOLL'VIT and rub the concerned areas until the adhesive is removed.

HEXIS Tip: Always test the product before proceeding with the complete cleaning process of the substrate.

⚠ *The liquid may damage seals; take all necessary precautions before commencing the cleaning process.*

Before use of any liquids refer to technical data sheets available for download from our website www.hexis-graphics.com

For further information of a technical nature, refer to to Technical Data Sheets available for download from our website www.hexisgroup.com under professionals/data sheets.`

The great diversity of media and the ever growing number of possible applications commit the user to ensure that the product is suitable for each particular usage.
The information given does not constitute a warranty. The seller assumes no liability for claims or damages beyond the replacement value of a product.
Specifications are subject to changes without notice. Updates to specifications can be found on our website www.hexisgroup.com.

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