PRODUCT BULLETIN

APPLICATION AND REMOVAL METHOD
Microperforated film
MICROCGUV

REQUIRED EQUIPMENT

› 1.5-l SPRAYBOX sprayer
› A SCRUBFLOOR + SCRUBBLADE window scraper
› POIGNVITRE handle with LAMVITRE cleaning blade
› Liquids for the cleaning of application surfaces:
  › SHAGREMOV
  › SHAGCLEAN
  › HEXISOAP
› A MARVITRE scraper
› A felt sheet
› A cutter
› A SHAGCUT liner cutting tool
› Masking tape
› FPG836 edge protector OR edge sealing tape
› Different HEXIS application tools

STORE YOUR FILMS UNDER APPROPRIATE CONDITIONS

Keep the films away from all major sources of heat (radiators and heaters, direct exposure to sunlight, etc.): the ideal temperature ranges from 15 °C to 20 °C (from 59 °F to 68 °F).

Store them in an atmosphere with low humidity (with relative humidity between 40 % and 65 %).

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 transparent, microperforated MICROCGUV film is a glossy film, which is coated with a removable, acrylic adhesive and is printable in mirror mode on UV printers. The film is designed to be applied to indoor, flat glass surfaces.
MICROCGUV is composed of a 150-µm, monomeric PVC and, once printed, it ensures a visibility from the inside towards the outside on 40 % of its surface.
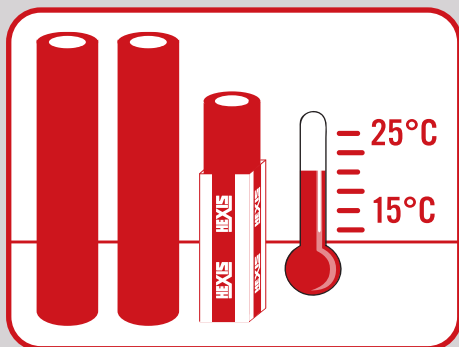No lamination is necessary to protect the graphic.

PREPARING YOUR APPLICATION SURFACE

The MICROCGUV film can be applied to a wide variety of substrates, such as shop windows, or flat vehicle windows such as side windows of buses, as long as the target surface is smooth, non-porous and free from any traces of oil, grease, wax, silicone or other contaminants.

For further information on the films used, please refer to the technical data sheets available on our website at www.hexis-graphics.com.

CONTENT

1. RECOMMENDATIONS:

› The MICROCGUV film is intended for application to glass surfaces. It is not to be immersed in water.

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

› Side-by-side film application is preferable to overlapping installation for aesthetic reasons.

› Laminating the MICROCGUV film is not required.

2. PRELIMINARY CLEANING OF THE SUBSTRATE:

To avoid unexpected outcomes, always assume that every substrate is dirty and needs to be cleaned.

Before applying the film to the surface to be wrapped, we recommend you comply with the instructions that follow.

⚠️ *Perform a preliminary trial on a small surface to check the compatibility of the products with the substrate.*

2.1. Clean or moderately soiled surface appearance:

Clean the application surface with the SHAGCLEAN product.

Work in a ventilated area. Wear protective gloves and goggles.

› Spray it onto the whole surface and thoroughly wipe it dry with a dry cloth while paying particular attention to the substrate edges.

SAHGCLEAN
Cleaning and degreasing finishing agent

2.2. Heavily soiled surface appearance:

Clean the application surface with the diluted HEXISOAP product.

› The cleaning liquid must be prepared as described hereafter: put 4 squirts of the concentrated HEXISOAP in the 1.5-l sprayer (SPRAYBOX), then top up with water.

› Carefully clean the pane. Spray the soapy liquid on the entire windowpane as well as on the sealings and in the corners.

› Squeegee the entire glass surface using the SCRUBFLOOR scraper starting from the top, the blade in a flat position to remove residues of adhesive, dust and grease.

› To finish, clean the lower part of the seals by passing the angle of the blade between the pane and seal.

SCRUBFLOOR
Window scraper

› Spray the liquid one more time on the entire window surface and run the glass scraper (POIGNEVITRE + LAMEVITRE) top down. Finish by drying the edges with absorbent paper.

› Completely wipe off the surface and the seals to remove the remaining pollutants.
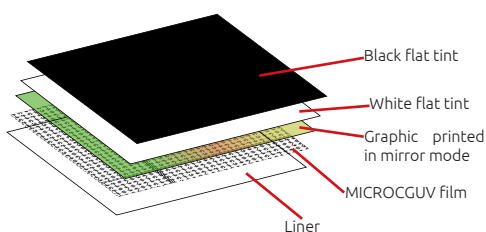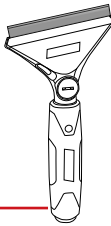
3. FILM PRINTING:

All printing steps must be carried out using a UV printer only.

› Start by printing the graphic in mirror mode on the film side that is not protected by the liner.

› Print a white flat tint on the entire film surface. This flat tint enables an increase to the contrast of the graphic and to ensure perfect visibility from the outside.

Black flat tint
White flat tint
Graphic printed in mirror mode
MICROCGUV film
Liner

› The final step consists of printing a black flat tint on the whole white layer. Once the film has been applied, this layer ensures good visibility from the inside towards the outside of the building.

4. FILM APPLICATION:

The MICROCGUV film is designed for indoor applications to flat building or flat vehicle windows.

It is mandatory to use the dry application method.

    THE WET APPLICATION METHOD IS STRICTLY PROHIBITED.
    APPLY THE MICROCGUV FILM ONLY TO THE GLASS SURFACE, NEVER TO THE SEALS.

Minimum application temperature: 10 °C (+50 °F).

    Both the ambient and the glass substrate temperature must comply with the minimum application temperature.

A protective sealing for microperforated films (cf. chapter 5. EDGE PROTECTOR :, page 4) can be used on the film borders.

› During application, leave a space of 1 mm (0.05 in.) between the edge of the film and the window seals, or 5 mm (0.2 in.) if you want to apply an edge protector to the film borders.

⚠ *The application to window seals may later lead to the film peeling off.*

› If SHAGCUT is used for cutting the liner, carry out a cut across the entire width about 5 cm from the top edge of the film. Leave the liner in place on the film.

⚠ *The film must be applied using a felt-covered squeegee.*

› Position the MICROCGUV film, still protected by its liner, on the target surface.

› Tape the MICROCGUV film into place at the top using masking tape. (FIG. 01)

Pay particular attention to the position of the film in the case of a full vehicle wrap.

Figure 01

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

Figure 02

› Remove the liner protecting the top if it has already been cut with the SHAGCUT. Otherwise, peel off the liner on the upper part of the film until the hinge, then cut it without touching the MICROCGUV film. (FIG. 03)
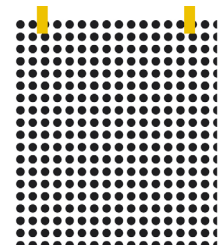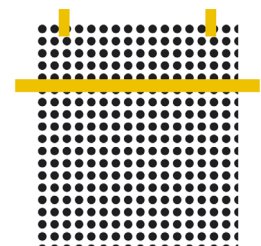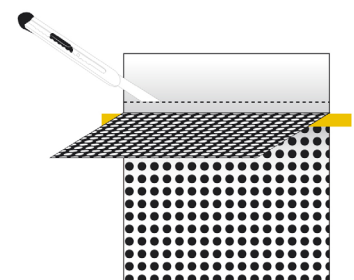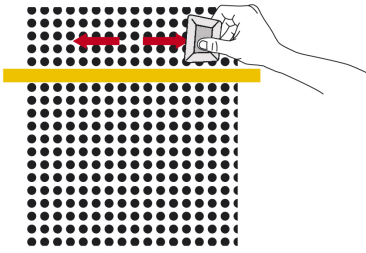

Figure 03

Figure 04

› Apply the film with the squeegee carrying out movements from the centre towards the borders. (FIG. 04)
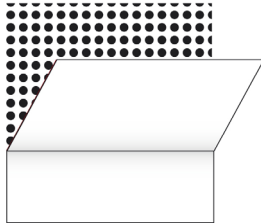

Figure 05

› Once the graphic is correctly applied to the top, remove the hinge (masking tape), then gradually remove the rest of the liner while applying the film. (FIG. 05)

Figure 06

› Cut the excess film with a cutter, while taking care not to scratch the glass and to spare the window seals (FIG. 06). Proceed as follows in order to protect window seals and avoid zigzag cutting:

- The squeegee must be flush with the outer edge of the seal.
- The cutter blade must be flush with the squeegee by forming a 45-degree angle with the window.
- Then move simultaneously the squeegee-cutter assembly along the glass seal.

Leave a 1-mm space between the window seals and the edge of the MICROCGUV film. Otherwise leave a space of 5 mm if you want to apply an edge protector to the corners of the film.

Be careful not to touch the glass seals with the cutter while cutting.

Excessive pressure on the cutter may even scratch the window pane during cutting. HEXIS cannot be held responsible for any damages and degradations caused to the substrate during film cutting. It is the responsibility of the installer to take all the necessary precautions during this operation.

› Then proceed with the squeegeeing of the MICROCGUV film. Firmly move the squeegee from the centre outwards. Continue until the whole film is applied to the surface.

› Firmly press the squeegee in the corners and over the film edges.

› Apply, if necessary, the protective sealing. (Cf. chapter 5. EDGE PROTECTOR:, page 4.)

5. EDGE PROTECTOR:

It is possible to use an edge protector for the borders of the microperforated films if your film is installed in an environment exposed to heavy stress (friction, frequent cleaning, etc.).

HEXIS recommend that you use the PG836 edge protector for microperforated films applied to flat surfaces.

Sealing band

> Apply the strip by overlapping 5 mm (0.2 in.) over the window and 9 mm (0.35 in.) over the MICROCGUV film. (FIG. 07)

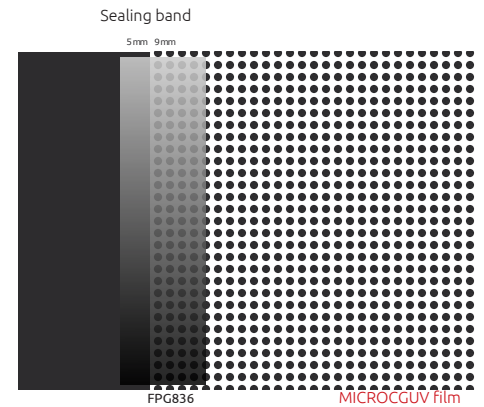⚠ *Apply the edge protector only to the glass, never to the seals.*

FPG836   MICROCGUV film

Figure 07

6. CLEANING AND MAINTENANCE OF THE MICROCGUV FILM:

The MICROCGUV film should not be cleaned within the first 24 hours following its application. Premature cleaning may affect the adhesive strength, which may result in the film peeling off.

⚠ *HEXIS are not liable for any adhesive films cleaned with unspecified additives.*

7. REMOVAL PROCEDURE OF THE MICROCGUV FILM:

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

> Gently lift the corner with the cutter without damaging the glass substrate, then remove the film. During removal, the film should form a 45- to 75-degree angle relative to the substrate.

⚠ *A more or less wide angle will cause the film to break more easily or the presence of adhesive traces on the substrate surface.*

> If any adhesive remains on the substrate, take a cloth soaked with our SHAGREMOV product and rub the surface until all traces disappear. This product should previously be tested on a small area.

HEXIS tip: Always carry out a test on a small area before cleaning the entire substrate.

⚠ *Prior to treatment, run a compatibility test on a small, inconspicuous area of the substrate to be treated. Certain plastic materials, body panel seals, etc. may be damaged by the cleaning products. Take the necessary precautions to protect the most delicate parts before performing the clean-up. HEXIS are not liable for damages and degradations caused to the substrate by using incompatible products.*

⚠ *Before using any of our liquids, please refer to the technical data sheets available on our website at www.hexis-graphics.com.*

For further technical information, please refer to the Technical Data Sheets available for free download from our website *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.*

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