PRODUCT BULLETIN

APPLYING AND REMOVING

Window Decorating Films

ETCHED GLASS / TRANSPARENT (C4000)

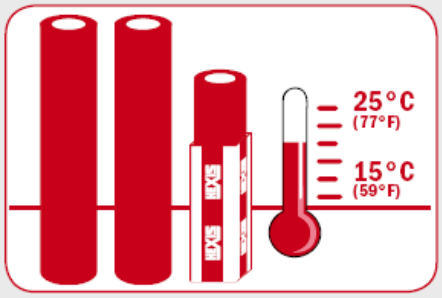
MATERIAL REQUIRED

- ✓ PULVITRE (11- litre vaporiser or 1 litre)
- ✓ MALPACK tool case with:
  - POIGNVITRE with a LAMEVITRE, or rubber blade squeegee
  - GRATVITRE (scraper for windows)
  - MPFSEC aluminium squeegee
  - 5 m measuring tape
  - CUTVITRE Olfa snap off blade knife
- ✓ MARNOIR medium squeegee for finishings
- ✓ CUTLAME replacement blades
- ✓ Ruler
- ✓ Detergent (washing-up liquid)
- ✓ Roll of absorbent paper
- ✓ Masking tape
- ✓ Silicone seal joint (outside windows)

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 (30 to 70% 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.



CHARACTERISTICS

ETCHED GLASS FILMS

KG15DEPM

- ✓ Polymeric cast 70µm PVC film.
- ✓ Ideal for long term applications on glass indoors or outdoors.

Calendered Etched Glass (S5DEPM, HX5DEPM…):

- ✓ Polymeric calendered 80µm PVC film.
- ✓ Ideal for long term applications on glass indoors or outdoors.

TRANSPARENT

- ✓ Monomeric calendered 80µm PVC film.
- ✓ Designed for medium term markings on glass, indoors or outdoors.
- ✓ Gloss finish with high transparency.

PREPARING THE TARGET SURFACE

You can apply DECORATING films on glass, windows, shop windows, on the condition that the glass surfaces in question have a clean, smooth, non-porous surface with no traces of oil, grease, wax, silicone or other polluting agents. To avoid any nasty surprises, work on the principle that all substrates are polluted and must be cleaned.

Do not forget to first carry out a test on a small surface to make sure that the substrate will not be damaged.

> Do not hesitate to consult the technical data sheets for the films used on our internet site, **www.hexisgroup.com**

CONTENTS

1- Recommendations
2- Cleaning the substrate
3- Applying the film
4- Applying the marking
5- Dealing with joints by juxtaposition
6- Seal joints for applying the film on the outside
7- Cleaning and maintenance of the film
8- Removing the film

These application methods are based on HEXIS' experience and are not restrictive. For easier application of HEXIS films, please respect these recommendations. HEXIS also proposes training courses, which are necessary for optimal application of our products.

1. RECOMMENDATIONS

- ✓ Do not use the standard wetting and cleaning agents used for cleaning windows.
- ✓ A silicone sealing joint would increase the stability of the film along the periphery.
- ✓ When applying the film outside, make sure that it is not windy and that the outside temperature is not lower than 15°C (59°F).

2. CLEANING THE SUBSTRATE

1) Prepare the 11-litre vaporiser with around 20 capfuls of detergent and water or 1 litre depending on the size of the target surface.

2) Carefully clean the window. Vaporise the soapy liquid all over the window as well as into the seal joints.

3) Use the GRATVITRE scraper over the entire surface, changing blades often. (FIG01)

4) Spray the entire glass surface once again and use a window squeegee. (FIG02)

5) Finishing the edges with absorbent paper.

(FIG 01)

(FIG 02)

3. APPLYING THE FILM

For the films with HEX'PRESS adhesive (HX5DEPM…), the dry application method must be used (see § 3.2). This technology makes it easy to reposition the film on the substrate during application but do not neglect the squeegeeing stage to ensure optimum adhesion of the film on the substrate.

For other "Etched Glass" films (except HX5DEPM) and the transparent C4000, the wet application method must be used. Dry application is only possible in the case of the HX5DEPM.

3.1. Wet application

1. Cut the film to a size slightly larger than that of the window (1.5cm more on each of the 4 sides), being careful not to wrinkle the film whilst handling it and use the top right corner of the window as a guide to match with the top right of the film.

2. Put the film face down on a nearby window wetting I abundantly to help removal of the liner. Then vaporise the surface of the window to be treated using the sprayer. (FIG03)

(FIG 03)

(FIG 04)

3. Remove the liner protecting the adhesive surface (FIG04) whilst wetting it abundantly.

Warning: please handle the film with care.

Advise: get help from another person whenever possible.

4. Put the film into position immediately, with the adhesive side in contact with the window (wet side) starting with the top right corner. (FIG05)

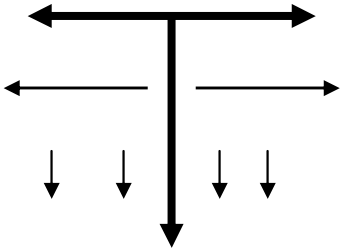
(FIG 05)

5. Vaporise the film using the vaporiser to prepare for squeegeeing.

6. Use the MPFSEC aluminium squeegee, respecting the direction: wipe in a T-shape then from top to bottom or from the centre to the sides so as to drive out all the water. (FIG06)

(FIG 06)

Reminder:



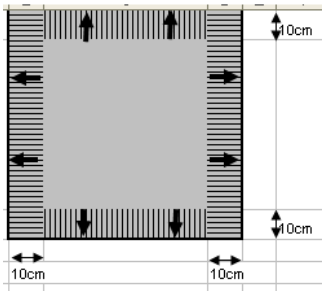
7. Cut the film to the right size all along the edge of the joint (as near as possible to the edge), pressing down on the MARNOIR squeegee. (FIG07)

(FIG 07)

Wet and squeegee a second time with the MPFSEC aluminium squeegee, this time going as far as the edge. (FIG0

(FIG 08)

8. To dry the area near the edge of the film, use the MARNOIR squeegee wrapped in absorbent paper, finish the application all around the edge with a margin of around 10cm (FIG09) using the diagram below for guidance:



(FIG 09)

9. Make sure that the contours of the vertical stays are clean and dry. You film is now finished. (FIG10).

(FIG 10)

3.2. Dry application method

For dry application use the same fitting method as those described in paragraph 3.1, without spraying the film and the substrate with the application fluid.

4. APPLYING CUT MARKINGS

4.1 Wet application

Prepare the lettering or logo: cut, weed and tape.

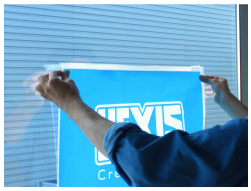
1. Fix the marking with the help of masking tape and put into position. (FIG11)

(FIG 11)

2. Wet a nearby window abundantly and position the marking face down. Then remove the liner and wet it abundantly. (FIG12)

(FIG 12)

3. Vaporise the window to which the film is to be applied, turn the film and position it with the help of the masking tape. (FIG13)



(FIG 13)

4. Once the marking is in place, apply with the help of the squeegee going from the centre to the sides thus driving out all water. (FIG14)

(FIG 14)

5. Once the marking is applied carefully remove the tape. (FIG15)

(FIG 15)

4.2. Dry application method

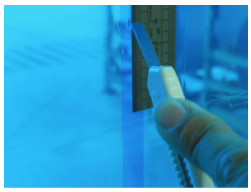
For dry application use the same fitting method as described in paragraph 4.1, without spraying the film and the substrate with the application fluid.

5. DEALING WITH JOINS BY JUXTAPOSITION

If you have to make a joint on your window surface, be it horizontal or vertical, the method used will be identical:

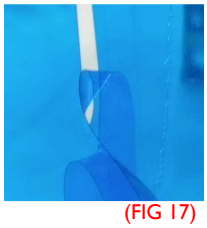
- ✓ Put the second film into position, covering the first film already stuck to the window by about 15mm.
- ✓ Place the ruler in position all along the length of the superimposition, and in its centre.
- ✓ Using the CUTVITRE, cut in a single movement and with a certain amount of pressure both thicknesses of film. (FIG16)

  Warning: excessive pressure could result in the glass itself being scored.



(FIG 16)

- ✓ Remove the surplus (FIG17), wet the film again and finish the application by squeegeeing in parallel to the joint.



(FIG 17)

6. SEALING JOINT *(for applying the film outdoors only!)*

To apply films outdoors, it is possible to use a sealing joint for window glass, thus limiting or avoiding any seeping in along the edge.

- ✓ Make sure that the surfaces in question are dry.
- ✓ Apply the seal joint all around the edge of the outside window.

7. CLEANING AND MAINTENANCE OF THE FILM

- ✓ Leave the film to dry for 1 day without touching it.
- ✓ Warning: wait for 1 week after application before cleaning the "filmed" window.
- ✓ Clean the « filmed » window with a standard cleaning solution and a soft cloth.
- ✓ Do not use any type of scraper or articles with an abrasive action.

8. REMOVING THE FILM

Films for buildings use a permanent adhesive but, if you follow the instructions below, it will be easier to remove the film.

- ✓ Using an electric heat gun, start in a corner and heat the film to a temperature of around 50°C (122°F).
  Do not overheat. Respect the temperature indicated.

- ✓ Gently lift a corner of the film using a knife –available in the toolbox- without damaging the substrate and progressively, as each section is heating, continue removing the film. The film should form an angle of 70-80° in relation to the substrate. A wider or narrower angle will result in the film breaking more easily.

- ✓ Always proceed gradually by delicately removing the film from small areas to decrease the risk of leaving traces of adhesive on the substrate.

- ✓ Continue heating and gently removing the film until it has been removed completely, always taking care to respect the temperature indicated, and the angle and speed at which the film is removed.

- ✓ If residue from the adhesive persists, use the GRATVITRE and PULVITRE vaporiser, wet the surface and scrape so as to remove all traces of adhesive.

For any further information of a technical nature, please consult the technical data sheets available for download from our internet site www.hexisgroup.com in the Professionnals/Technical Data Sheet section.

The very wide range of substrates available, combined with the ever-increasing number of new possibilities, obliges the user to examine the extreme aptitudes of the product for each particular usage.
All the information given herein nevertheless does not constitute an absolute warranty factor. The seller assumes no liability for any direct or indirect claims or damages and cannot be held financially responsible beyond the replacement value of a product. All our specifications are liable to modification without prior notice. Our specifications are updated automatically on our site, ***www.hexisgroup.com****.*

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