

APPLICATION AND REMOVAL METHOD

Transparent digital films for windows

V202CGI / V302CGI / V362CGI

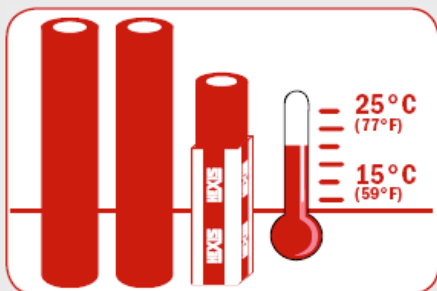
TOOLS AND MATERIALS NEEDED

- ✓ One sprayer (PULVITRE)
- ✓ One kit (MALPACK)
 - One handle (POIGNVITRE) with a wiper blade (LAMEVITRE).
 - One window scrapper (GRATVITRE)
 - One squeegee (MPFSEC)
 - One 5m tape measure
 - One small blade cutter (CUTVITRE)
- ✓ One finishing squeegee (MARNOR)
- ✓ One cleaning scraper for windows
- ✓ One spare blade (CUTLAME)
- ✓ One rule
- ✓ Easy application fluid (EASYPOSE)
- ✓ One roll of absorbent paper
- ✓ Masking tape
- ✓ Silicone seal (outdoor windows)

STORE YOUR FILMS UNDER GOOD CONDITIONS

Keep films away from any strong source of heat (radiators, direct exposure to the sun, etc.): the ideal temperature is between 15°C and 25°C (77°F to 59°F). Store films in a slightly humid atmosphere (50% relative humidity).

Keep films in their original packaging. Each roll of film started must be stored vertically or suspended so that the film is not marked at the spot it is resting on.



CHARACTERISTICS

Transparent films designed for solvent and eco-solvent inkjet printing.

V202CGI

- ✓ 70 microns calendered polymeric PVC film
- ✓ Permanent adhesive

V302CGI

- ✓ 80 microns calendered monomeric PVC films
- ✓ Permanent adhesive

V362CGI

- ✓ 80 microns calendered monomeric PVC film
- ✓ Removable adhesive

PREPARE APPLICATION SUBSTRATES

IMN transparent films can be applied on glass, windows, showcases as long as they are clean, smooth, non-porous and free from any signs of oil, grease, wax, silicone, or any other pollutant. As a principle, consider that all substrates are polluted and need to be cleaned.

Remember to run a prior test on a small surface to check that the substrate is not degraded.

> Always remember to check our site www.hexisgroup.com for the technical data sheets of each film applied.

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The application methods are based on the experience of HEXIS and are not restrictive. Please observe the instructions to make application of HEXIS films easier. In addition, HEXIS proposes training courses, hands on help to optimise the application of its products.

I. RECOMMENDATIONS

- ✓ Do not use usual cleaning products or wetting agents to clean the windows.
- ✓ A silicon type seal increases the peripheral stability of the film.
- ✓ Make sure that there is no wind and that the temperature is not less than 10°C (50°F) when applying the film outdoor.
- ✓ Do not apply the film on glazing seals.
- ✓ Optimal adhesion of the film is obtained after 24 hours contact.
- ✓ Overlaying a part or the entire surface of window with a coloured film (printed) can entail heating of restricted areas in relation to a non-coated area. The extent of this heating depends on the exposure, nature and colour of the film applied.
For example, we know by experience that the temperature increase can be:
 - Up to +10 to +15° for transparent and dulled films
 - Up to + 30° for translucent films
 - Up to + 40° for opaque films.
- ✓ Also, remember that tiling light and dark colours can cause a temperature gradient on the window.
- ✓ In all cases, this heating cannot alone deteriorate the window. Nonetheless, if there was a previous defect in the window the heating by the film can cause this window to crack. Therefore, make sure that the window is in perfect condition before applying the film. HEXIS will not assume any responsibility in case of window breakage.

2. SUBSTRATE CLEANING

- 1) Very carefully clean the window. Spray the easy application fluid (EASYPOSE) over the entire surface area of the window and on the seals.
- 2) Pass the scrapper GRATVITRE over the entire surface. (FIG01) (change the blade frequently).
- 3) Spray the glazed surface again and then pass the window wiper (FIG02).
- 4) Make sure that the window and the uprights are clean and dry.



(FIG 01)



(FIG 02)

3. FILM LAMINATION

We recommend that you laminate the film V202CGI with the lamination film PC30 or V750.

We recommend that you laminate the films V302CGI and V362CGI with the lamination film V700.

Make sure that the film is dry before applying it: IMN transparent films are touch dry after 15 minutes but you must wait at least 24 hours before applying, laminating and cutting them. Let the films dry stacked in a rack, located in a ventilated room, to ensure that solvents have evaporated.

4. FILM APPLICATION

The transparent films supplied by HEXIS can be applied indoors or outdoors, refer to the technical data sheets and the recommendations.

(example: full covering of a window):

1. Cut the film slightly larger than the size of the window (1.5cm more on the 4 sides), making sure not to wrinkle the film when handling it. Protect the top right part in order to position the film directly on the top of the window to coat with the film.
2. Place the film on a neighbouring clean window, abundantly wetted to help in removal of the liner and then spray the surface of the window to treat (FIG03).
3. Remove the liner protecting the adhesive surface (FIG04) while continuing to wet it abundantly.

Caution: handle the film delicately.

Advice: work with a buddy if the surface area is large or if applying the film outdoor.

4. Immediately position the film: adhesive side against the window (wet side), positioning the top right part first (FIG05).

5. Spray the film to facilitate bubble elimination.



(FIG 03)



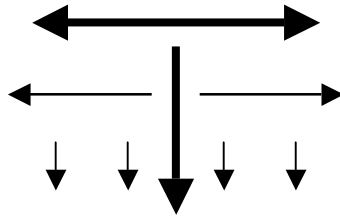
(FIG 04)



(FIG 05)

6. Pass the bubble remover MPFSEC in compliance with the bubble removal direction: draw a T then remove bubbles from top to bottom or from the centre outwards to drive out the water. (FIG06)

Reminder:



(FIG 06)

7. Cut the film to the right size along the edge of the seal (as close as possible to the edge), bearing against the finishing squeegee MARNOIR. (FIG07)
Do not glue on the seals of the window.



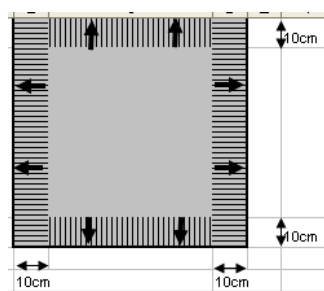
(FIG 07)

8. Wet and remove bubbles a second time with the MPFSEC squeegee but this time right up to the edge of the moulding. (FIG08)



(FIG 08)

9. To dry the water around the film on the surface, complete wiping with the finishing squeegee MARNOIR, wrapped with absorbent paper, all around the window over approximately 10 centimetres. (FIG09), as per the diagram below:



(FIG 09)

10. Make sure that the windows are clean and dry around the uprights. Film application is completed. (FIG10)



(FIG 10)

5. REPAIR WITH AN OVERLAY

The method is the same if you have to repair the glazed surface horizontally or vertically:

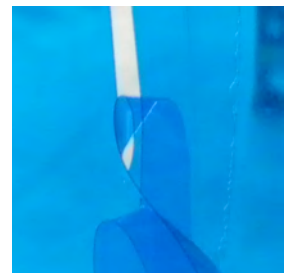
- ✓ Position the second film over the first one already glued (approximately. 15 mm).
- ✓ Position the rule in the middle of the overlay to cover it from top to bottom.
- ✓ With the blade cutter CUTVITRE, cut the films in a single movement with sufficient force to cut the 2 films. (FIG 11)

Caution: excessive pressure can result in a cut that scratches the window.

- ✓ Remove the surplus film (FIG12), wet the film again and finish application by removing bubbles parallel to the joint.



(FIG 11)



(FIG 12)

6. SEAL *only for outdoor applications!*

For films applied outdoors, a special glazing seal can be used that limits or prevents peripheral penetration.

- ✓ Make sure that surfaces are dry.
- ✓ Apply the silicone seal all around the outdoor window.

7. FILM CLEANING AND MAINTENANCE

- ✓ Allow the film to dry 1 day without touching it.
- ✓ Caution: wait 1 week after application before cleaning the film “coated” window.
- ✓ Clean the film “coated” window with a standard cleaning product and a soft cloth.
- ✓ Do not use scrapers or abrasive cleaning means.

8. REMOVAL METHOD

Decorative films are coated with a permanent adhesive. If you follow the method below the removal of the film will be facilitated.

- ✓ Use a heat gun to warm a corner of the film to a temperature close to 50°C (122°F). Do not overheat. Closely observe the indicated temperature.
- ✓ Gently lift the corner with the cutter in the kit without damaging the substrate. As further areas are heated continue to lift the film. The film should make an angle of 70 to 80° in relation to the substrate. A smaller or larger angle can increase the risk of breaking the film.
- ✓ Always work in small heated areas lifting the film gently to avoid leaving adhesive on the substrate.
- ✓ Continue heating and lifting the film until fully removed. Continue to take care with the heat applied, the lifting angle and the pulling speed.
- ✓ If glue residues remain, use the scraper GRATVITRE and the sprayer PULVITRE to wet the surface and to scrap away the residue.

For any complementary technical information, please refer to our Technical data sheets that can be down loaded free of charge from our internet site www.hexisgroup.com in the Professional section, Technical data sheets.

The very extensive range of marking substrates and the never-ending new features oblige the user to examine the suitability of the product before each use. Nonetheless, the information provided does not constitute an intangible warranty. The vendor declines any responsibility for indirect damage and will only be responsible for a sum equal to the cost of its products. All our specifications are subject to changes without prior notice. Our specifications are updated automatically on our site www.hexisgroup.com.



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