



# VistaView Application Guide



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## VISTAVIEW K85700 Series

VistaView is a range of perforated vinyl films specially developed for all types of one way vision applications. Suitable for application to glass, acrylic or polycarbonate substrates, the product range offers: -

- Printability by a variety of methods.
- Exceptional stability during printing and application.
- Fifty percent surface perforations to achieve optimum one-way visibility.
- Reduced interior heat and sunlight.
- Enhanced privacy and security.
- Excellent residue free removability.

### 1. Product Range

K85710	TradView Exterior	1.5mm Holes / 50% visibility / Polyester Liner
K85720	SpecialView Exterior	2.0mm Holes / 50% visibility / Polyester Liner
K70005	Ultra Clear Cast	Gloss Vinyl Overlamine (50 $\mu$ )

### 2. Storage

- VistaView materials can be stored for up to two years provided that they have been kept at a temperature between 15 – 25°C and a relative humidity of 40 – 60%.
- Avoid direct exposure of the material to high temperatures (near radiators, direct sunlight etc.).
- Any part used rolls should be kept vertical or horizontally hung on racks. Rolls should never be placed on their sides as this could lead to delamination of the liner.

### 3. Preparation and Cleaning of the Application Surface

The best result is achieved by careful preparation of the glass before application. It is recommended that the material is applied, as far as possible, in a clean, dust free environment. An unprinted piece should be tested in order to check the characteristics and adhesion strength of the film.

- Glass surfaces must be thoroughly cleaned using soap and water only. Do not use any solvents.
- Dry the glass using lint-free cloth.

### 4. Application

- Always leave a gap ( $\pm$  5mm) between the edge of the film and the window frame.
- Apply the VistaView to glass having a surface temperature between 5–32°C. Glass that is too cold will have an adverse effect on the adhesive whilst glass that is too hot will cause the film to stretch.
- Lift the edge of the liner away from the vinyl and fold back approximately 75-150mm depending upon the size of the application.



- Position the vinyl carefully so that it is properly aligned and touch the top corners into place with gentle pressure.
- Using a soft squeegee, gently press the vinyl into place working from the top towards the bottom.
- Peel away more liner and continue to gently press the vinyl into place.
- When the liner has been completely removed, and the graphic is correctly positioned, squeegee the film firmly to the glass from the centre towards the edges.

### 5. Removal

- Lift a corner of the VistaView and slowly pull at an angle of 45°-75 °. (Over 90 ° will increase the risk of adhesive transfer).
- Try to remove in one piece.
- In cold conditions, use a heat gun to soften the adhesive and reduce the likelihood of film breaks.
- If the application has been in place for a long period of time the tack may increase leaving, potentially, an adhesive transfer.
- Remove any adhesive residue by using a mild detergent solution and scrape off with a plastic squeegee.

### 6. General Design Suggestions

These suggestions are not exhaustive and should be used together with normal design practice.

- Small detail and type size is not recommended for VistaView as fifty percent of the vinyl is missing (perforations).
- For lettering use a minimum height of 50mm if possible.
- Try to use bright coloured inks, wherever possible, for best results. Dark colours tend to allow the eye to see “through” rather than focussing upon, the graphics.
- Ensure that the print is on the perforated vinyl and not on the liner.
- For best results, available light should be greater on the graphics side.

### 7. Printing

It is recommended that trial prints are made before the main production. This should include the application K70005 Ultra Clear if required.

Screen Printing: -

- Use a high resolution screen preferably 150–200 mesh size.
- Print inks at a slightly higher viscosity than normal and try to use a lower coat weight.
- Decrease squeegee pressure to minimise ink penetrating into the perforations.
- Both solvent based and UV inks can be used.



Air Brushing: -

- Use normal techniques but spray at a 90° angle to avoid ink coating inside edges of the perforations.

Electrostatic and Thermal Transfer: -

- Due to the wide variety of equipment, materials and techniques, it is recommended that tests are always performed prior to any production.

### 8. Overlaminating

Overlaminating the printed vinyl is recommended particularly if enhanced performance or durability is required. K70005 Ultra Clear is an ideal overlaminate which offers: -

- Superb optical clarity.
- High gloss.
- Excellent protection to UV.
- Ability to span perforations.
- Can be cleaned with mild solvents.

### 9. Product Details

Two variations of one way vision material are available along with an ultra clear overlaminating film that offers improved light fastness and durability to printed substrates.

**TradView K85710** is produced with 1.5mm diameter holes for exterior applications and is recommended for use on vehicles.

**SpecialView K85720** is produced with 2.00mm diameter holes for exterior applications and improved vision.

Both materials are ideal for use on windows, doors and any type of glass panel.

**Ultra Clear K70005** is 50µ glass clear vinyl overlaminate suitable for exterior and interior applications on flat or curved surfaces. Lamination will improve light fastness, print durability and water resistance. Overlaminated applications can be cleaned with normal window cleaning solutions.

### 10. Material Printability

All VistaView perforated materials have been evaluated on a full range of printers and found to give satisfactory results. However, it is advisable to conduct individual tests before commencing a production run. This information to be read in conjunction with Technical Data Sheet “K85700 Series VistaView”.



### **11. Warranty**

All materials from Kay Premium Marking Films Limited are produced under stringent manufacturing conditions. The information given above is based upon research believed to be reliable and is provided without guarantee and does not constitute a warranty. Ink and paint systems can affect the performance of the film and also adhesive properties, as can application techniques. Users are advised to ensure that performance and reliability are not compromised by determining the suitability of each product prior to its' intended use. The materials are manufactured under careful quality control and are warranted to be fit for the purpose and free from defect in material and workmanship. Any material shown to be defective to our satisfaction at the point of sale shall be replaced free of charge. Kay Premium Marking Films Limited liability to the purchaser shall in no circumstances exceed the cost of the amount of the defective material supplied.