

13 rules to follow when printing and applying one way vision vinyl.

One way vision vinyl is a technical product, it is important to use it according to strict rules.

Printing

1. Allow the printing material to acclimatize for at least 24 hours in the room where it will be printed. Also, avoid placing the roll vertically on a cold floor, as the part in contact with the cold floor will react differently from the rest of the roll.
2. Never cut a microperforated vinyl to size after printing and then lay it flat to dry. As the inks dry slowly and first on the surface, the PVC softens and creates tension. Always roll your media with the visual facing outwards.
3. Wait 24 hours before applying the lamination to the printed microperforated sheet so that the solvent in the inks can evaporate. It is best to roll the material loosely and place the roll vertically on a raised wire mesh, for example, to allow for optimal air circulation.
4. When printing on UV machines, it is essential to wait 24 hours before applying the print, to allow the glue to "reactivate". Heating with UV lamps dries out the glue, which is less powerful at first.
5. Laminating is highly recommended. This is the only mechanical guarantee against detachment with the sealing liquid.

Installation

6. One way vision vinyl is a substrate where the adhesive force is mechanically reduced. Holes are a source of delamination, especially at the edges, when they are cut. It is imperative to prepare the glass surface particularly carefully. Clean and degrease the substrate with a highly volatile, non-greasy cleaner.
7. Dry the glass thoroughly, especially at the edges. This is a safety measure to prevent delamination.
8. Use a cutter with a new blade. A clean cut increases the micro-adhesion surface on the edges.
9. Use a tool that allows strong and even pressure on the edges to make them adhere well. If necessary, use a sealing liquid or a transparent tape.
10. Avoid bare-handed gripping on the glue side. Grease left by your fingers reduces the tack/adhesion of the glue. Use latex gloves.
11. 11. Wait at least 48 hours between cleaning the windows and the installation. It is advisable to wait 1 week for car-washed windows.
12. Never apply "wet", always dry.
13. **The last point is the most important of all and is the one that causes the most non-conformities in winter: the temperature during installation.** The installation temperature must be between 10°C and 40°C. This applies to the ambient temperature, to the temperature of the microperforated sheet and to the temperature of the glass. It takes time for the adhesive to complete its polymerisation and reach 100% adhesion. Each temperature change (cold or hot) will cause a break in the chemical process of adhesion of the glue. If there is a thermal shock while the adhesive is not cured, the microperforated glass may bubble.