

MATERIAL DESCRIPTION

Decal is a 100 micron Gloss White polymeric calendered vinyl with high tack adhesive for Hard-To-Stick Surfaces. Very aggressive ultra-permanent sticking transparent solvent acrylic adhesive, especially suitable for adhesion on structured, rough and difficult surfaces as well as on low energy substrates like polyolefin.

PRINTER & INK COMPATIBILITY



PRODUCT DESCRIPTION

- Carrier: Polymeric PVC film, highly stabilized, calendered
- Adhesive: Clear Solvent Acrylic, ultra permanent
- Adhesion: > 10 N/cm (AFERA 5001)
- Dimensional stability:
 - Shrinkage < 1,0 mm (Finat FTM 14)
- Liner: One-sided PE-coated Silicone paper - 140 g/m²
- Tensile strength md: > 24 MPa (DIN EN ISO 527)
- Elongation cd: > 180 % (DIN EN ISO 527)

RECOMMENDATIONS FOR APPLICATION

- All solvents which have emerged during the printing process must be completely evaporated before proceeding to process the material otherwise the possibility of disproportional shrinkage could occur due to the aggressiveness of the adhesive.
- Furthermore, special attention should be given to ensuring that the surface which is to be laminated is completely clean and free of any dust.
- Walls, tiles and concrete should be cleaned with a high pressure washer beforehand and in addition the ground should be completely sealed to avoid any dust collecting under the film.
- Any humidity from the application surface can also have a negative influence on the adhesive.
- An external heat source as well as a soft roller should be used to achieve optimal durability.
- After the PVC film starts to become slightly soft it should be applied to the wall with a squeegee roller until it is completely smooth on the wall.
- If bonding to plastic then the surface should be roughened with sandpaper to obtain a higher adhesion.

FILM THICKNESS

100
μ

DURABILITY

- Outdoor durability: 7 years (unprinted material, vertical outdoor exposure, central European normal climate)
- Application temperature: -1 °C - +30 °C
- Temperature durability: - 54 °C - +107 °C

ADDITIONAL DETAILS

- The print must be completely dry before laminating and it is recommended to dry the print for at least 48 hours.
- Due to the high strength of the adhesive, the film, together with the adhesive should be heated (for instance with a hot air blower) and evenly removed off at a flat angle. As recommended in the "Recommendations for Application" the recommendation to seal the area helps with a clean removal of the adhesive.

The following technical details are issued to the best of our knowledge, however, without any responsibility for results due to several different kinds of material and application processes. Therefore, we highly recommend that before every usage a test should be conducted on the original material.

SHELF LIFE STORAGE AND CONDITIONS



- 2 years when stored in the original packaging between 20°C and 25°C at 50 % relative humidity.