

## AP101A (Primers – Acrylic)

### Description

AT Inks, AP101A, is a Adhesion Promoter (also called Primer or Varnish by some) specially designed to improve adhesion of UV Curable Inkjet inks on Acrylic surfaces. Acrylic sheets are a common substrate on which, a lot of digital UV Printing is carried out for various Graphic Arts applications. Acrylic is a difficult to print on surface as it does not provide good adhesion with most of the inks available in the market. With AP101A, which is easy to apply, quick drying and transparent as a film on the surface of the acrylic sheet, the adhesion to acrylic really improves. It is recommended that you apply AP101A, about 5 minutes before printing and allow it to air dry.

AP101A can be applied onto the Acrylic Sheet using:

- a) Hand Spray Pump (Usually provided in the pack)
- b) Air Gun, connected to an air Compressor (apparatus used for painting)
- c) Roller Coater or
- d) Brush

### Use of Product

To be applied on Acrylic Sheets (of varying thickness) before UV Digital/Inkjet Printing.

### Application Note

- Ensure you follow all local rules and regulations, required to be followed, for use of this product.
- Please wear all protective gear as per applicable local rules, such as gloves, eye protection equipment etc.
- Take the provided Hand Spray Pump, open the bottle and place the pump in place of the bottle cap and screw the pump into position.
- Remove the nozzle cap of the pump.
- Check the pump is working by pumping on a piece of cloth and set the pressure and the nozzle opening to your desired level of spray.
- If the printable side of the Acrylic sheet is coated with a peel able film then remove the film to get ready to print.
- If required, clean the Acrylic Sheet with an alcohol swab/cloth to ensure there is no dust or moisture before you spray the product onto the surface. Allow Alcohol to evaporate before applying the product.
- Now, with keeping the nozzle spray about 10-15 inches from the sheet and the sheet in the vertical position, spray the product onto the surface of the acrylic sheet.
- Ensure the spray is in the form of a fine mist so that it covers the full sheet well.
- Ensure you do not overspray such that the product starts streaming down the surface. This will create problems in your printing.
- If required you can wipe off the excess spray (if any) with a tissue paper. Try avoiding creating lines while wiping.
- The product will dry in about 5-15 minutes. Touch the coated surface to confirm, that it is dry. Once dry, the sheet is ready to print.

# Technical Data Sheet

Version. 4.01



## Standard Product Packaging

Available in 1 liter ready to use, spray bottles, with spray pump shipped separately.

## Shelf Life

12 months from date of manufacturing or 1 month from date of opening of the sealed bottle. The product should be kept in closed condition at all times. The pump needs to be cleaned after every use, using a cleaning liquid such as paint thinner is recommended or else the pump will get dried and blocked.

## Storage Conditions

Product should be stored in original packaging in a cool/dry place between 10°C and 35°C (50-95°F) and relative humidity of 30 – 60% (non-condensating), away from direct sunlight and heat sources. Prevent freezing of this product.

## Shipping and Handling

All personnel handling these products must wear gloves and eye protection as per local laws. After use, wash hands with soap and water. Should product come in contact with clothes, remove clothing to avoid prolonged skin exposure. Should product come in contact with skin, wipe off with a clean, dry absorbent cloth and wash area with soap and water. Dispose containers and product waste as per local and federal regulations. For additional safety data, please refer to SDS.

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All technical instructions about our products and their use, if spoken, written or through test trials are to the best of our knowledge. However, it should not be considered as an assurance for certain properties of products or their suitability for each application. It will be solely your responsibility for the selection and testing of the ink for specific applications.