

# AFFORD®

## 99 Series

## MULTICURE

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TECHNICAL DATA SHEET

UV INKS

SCREEN INK

### Product Statement and Key Features:

AFFORD 99 Series are a range UV curable inks of screen printing inks primarily designed for printing of all type of plastics.

The inks are specifically designed to be applied on polypropylene sheets and fluted polypropylene, but the inks are also suitable for other plastic substrates including PVC, polystyrene, PC, ABS and acrylic.

The printed film combines exceptional adhesion with a high degree of flexibility making the inks suitable for post print die cutting processes.

### Recommended applications:

Suitable for a wide range of plastic substrates, but, primarily aimed at PP materials.

Finish: Gloss.

### Printing and Drying Information:

Mesh selection is critical for optimum results. Meshes in the range 150-165 T/cm are recommended; image type and fabric will dictate the most appropriate mesh grade. Please consult with AFFORD technical services for further guidance.

Most stencil types are suitable, but 11.701 diazo emulsion stencils with meshes ranging from 150 to 165 meshes/cm are recommended.

99 Series inks are supplied ready to use.

### Recommended Curing:

Optimum curing can be achieved at belt speeds between 25-30 m/min using an 80W/in medium pressure mercury vapour lamps.

It is essential that the printed ink film is given time to fully cure to ensure full chemical and mechanical resistance is achieved and it is the user's responsibility to confirm the cure schedule by testing resistance properties and suitability prior to commencing a full production run.



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### Storage:

99 Series inks and additives should be stored at temperatures between 10-25°C with a relative humidity between 30 to 70%.

### Safety Information Handling Instructions & Shelf Life:

Ink and cleaning solutions should always be kept away from heat, sparks, and flames. If stored or transported at a different temperature, the ink should be allowed to reach room temperature before calibration or printing. This may have an adverse effect on performance and will affect any warranties given by AFFORD Industrial.

Recommended shelf life of this product is 24 months from the date of manufacture when stored under preferred conditions.

### Colour Range Table:

99.000 BASE TRANSPARENTE	99.110 BLANCO EXTRA	99.500 MAGENTA EXTRA
99.001 BARNIZ BRILLO	99.111 PLATA	99.600 AZUL PERMANENTE
99.002 AMARILLO GAMA	99.115 PLATA ESPECIAL AR	99.604 AZUL ROJIZO
99.005 MAGENTA EXTRA	99.222 ORO	99.700 VIOLETA
99.006 AZUL GAMA	99.229 AMARILLO LIMON	99.800 VERDE PERMANENTE
99.009 NEGRO GAMA	99.239 AMARILLO PRIMROSE	99.888 LUMINISNCENTE ALTA DURACION
99.024 AMARILLO EXTRA	99.309 NARANJA EXTRA	
99.052 MAGENTA GAMA	99.420 ROJO VIVO	99.900 NEGRO

### Colour Range:

99 Series inks are available in a range of base colours, including Black, White and Transparent base and complemented with a range of 4 colour process halftone shades.

Special colour matches can be supplied on demand.

### AFFORD Quality Statement:

AFFORD Industrial SL assures the quality of this product. AFFORD cannot, however, guarantee the finished results because AFFORD exercises no control over individual operating and production procedures. While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life cycle from proofing, printing, post print processing, and shipment to end use. This product has been specially formulated for use with the printing process indicated within the technical information, and it has not been tested by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from AFFORD Industrial SL.

### Support:

AFFORD Industrial are a company with international sales coverage, and as such can offer technical, engineering and sales support to our customers worldwide. If you require more information regarding this product, or any of our extensive range of products for screen, pad, digital, flexo and gravure print processes, please contact your local sales representative.

### Disclaimer:

All information on this data sheet is based on laboratory tests carried out by AFFORD Industrial SL and from end user experience in print shops. Procedures and directions for use of AFFORD Industrial products (including printing and after-treatment) must be considered as recommendations only, with no warranties expressed or implied. The user of the products described herein is solely responsible for determining the suitability of any AFFORD Industrial product(s) for the chosen application. AFFORD Industrial recommends that all products be pre-tested prior to full-scale production use. This data sheet supersedes all previous publications. November 2023.