

AFFORD[®]

88 Series

FLEXICURE

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TECHNICAL DATA SHEET

UV INKS

SCREEN INK

Product Statement and Key Features:

AFFORD 88 Series are a range of UV curing inks designed for printing onto PVC and acrylic surfaces for the signage markets.

The inks are designed to be printed onto typical PVC and Acrylic sheeting commonly used in the retail communications, POS display and packaging markets.

88 SERIES prints exhibit a smooth high gloss surface finish combined with a high degree of flexibility.

Recommended applications:

Suitable for PVC and Acrylic substrates common in the display, retail graphic and signage markets.

Finish: High 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.

88 Series inks are supplied ready to use.

Recommended Drying:

Optimum curing can be achieved at printing speeds between 35-40 m/min using an 80W/cm - 200W/in medium pressure mercury vapour lamps.

It is essential that the printed ink film is given time to fully cure to ensure full 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:

88 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:

88.000 BASE TRANS U.V.	88.110 BLANCO EXTRA	88.307 NARANJA FLUO	88.600 AZUL PERMANENTE
88.001 BARNIZ UV	88.111 PLATA	88.309 NARANJA	88.604 AZUL ROJIZO
88.002 AMARILLO GAMA	88.125 BASE RASCABLE PLATA	88.400 ROJO BRILLANTE	88.607 AZUL FLUO
88.005 MAGENTA GAMA	88.135 MIRROR EFFECT	88.404 ROJO EXTRA	88.700 VIOLETA
88.006 AZUL GAMA	88.204 AMARILLO LIMON	88.407 ROJO FLUO	88.800 VERDE PERMANENTE
88.009 NEGRO GAMA	88.207 AMARILLO FLUO	88.420 ROJO VIVO	88.807 VERDE FLUO
88.024 AMILLO GAMA EXTRA	88.222 ORO	88.500 MAGENTA EXTRA	88.888 LUMINISCENTE A.D.
88.052 MAGENTA GAMA	88.229 AMARILLO LIMON	88.507 MAGENTA FLUO	88.900 NEGRO
88.101 BLANCO BLANCO	88.239 AMARILLO MEDIO	88.507 MAGENTA FLUO	

Colour Range:

88 Series inks are available as a four-colour process set, including Black, White and Transparent base and also a range of spot colors.

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.