

### 46 Series Product Statement and Key Features:

AFFORD 46 Series are a range of matt finish solvent based halftone screen printing inks designed for printing onto paper and board for the display and retail graphics markets.

46 SERIES prints exhibit a smooth matt surface finish with good resistance to curling often seen with inks for printing of billboards. The 46 Series are formulated offering a good degree of flexibility.

### Recommended applications:

Suitable for large billboards, general display and paper and board applications.

Finish: Matt.

### Printing and Drying Information:

Mesh selection is critical for optimum results, meshes in the range 90-140 T/cm are recommended and specifically for fine detail print 140 T/cm would be the best choice. Image type and fabric will also dictate the most appropriate mesh grade. Please consult with AFFORD technical services for further guidance.

Most stencil types are suitable, but ARGAZOL 11.701 direct emulsion stencils with meshes ranging from 90-140T/cm meshes are recommended (see above).

Drying times below are only approximate as drying properties depend on various factors, such as mesh grade, ink film thickness and local print environment conditions including temperature and humidity. Please consult with AFFORD technical services for further guidance.

46 Series inks are not supplied ready to use. On press viscosity should be adjusted. D-300 can be used as a thinner.

### Recommended Drying:

46 Series inks will jet dry in 5-10 seconds and will air dry in around 10 minutes in ambient conditions of +/-20°C.

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

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## Storage:

46 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.

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

## Colour Range Table:

	Process Black		Process Blue		Process Magenta		Process Yellow		White		Transpa- rent
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## Colour Range:

46 Series inks are available, as a four-colour process set, including Black, White and Transparent base.

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 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.

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## 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.