

56 Series Product Statement and Key Features:

AFFORD 56 Series are a range of solvent based inks designed for printing onto Polystyrene injection molded sheets for the general display, graphics and signage markets.

56 SERIES prints exhibit a smooth high gloss surface finish.

Polystyrene sheet is sensitive and often difficult to print. Factors such as a matting of the print caused by aggressive solvents, surface wetting (uneven print finish) and generation of static discharge as a result of the print process are common. AFFORD 56 Series inks have been formulated using mild solvents to minimise these problems.

Recommended applications:

Suitable for Polystyrene sheet and injection molded 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 90-120 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 ARGAZOL 11.701 direct emulsion stencils with meshes ranging from 90-120T/cm meshes are recommended.

56 Series inks are supplied ready to use, but should on press viscosity need adjustment, D-400 diluent can be used.

Recommended Drying:

56 Series inks will jet dry in 2-3 minutes at 50°C or air dry in 15-20 minutes in ambient conditions of +/-20°C.

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 drying schedule by testing resistance properties and suitability prior to commencing a full production run.

56
Series

PSFFORD

TECHNICAL DATA SHEET

SOLVENT
SCREEN INK

Storage:



































56 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:

 000 TRANSP.	 002	 006	 005	 052	 101, 110
 111	 207	 213	 214	 222	 239
 249	 309	 319	 329	 339	 400
 404	 407	 439	 440	 500	 510
 600	 610	 670	 700	 710	 800
 807	 829	 877	 900		

Colour Range:

56 Series inks are available in a range of base colours, 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.

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.