

55
Series

PROPISCREEN

TECHNICAL DATA SHEET

SOLVENT
SCREEN INK

55 Series Product Statement and Key Features:

AFFORD 55 Series are a range of solvent based inks designed for printing onto untreated and pre-treated polypropylene sheets and injection moldings.

55 SERIES prints exhibit a smooth high gloss surface finish.

Certain grades of Polypropylene sheet may be impregnated with mold release agents or lubricants which may impair adhesion over time. It is essential that compatibility between inks and materials are checked to minimise any possible problems.

Recommended applications:

Suitable for Polypropylene, such as "Priplak" and "Doeflex" and injection moldings.

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.

55 Series inks are supplied ready to use, but should on press viscosity need adjustment, D-400 can be used as a thinner, with D-700 available as a retarder.

Recommended Drying:

55 Series inks will jet dry in 15-20 seconds at 60°C, convection dry in 1-2 minutes at 70°C or air dry in 10-20 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.

Typically the ink will have good adhesion on tape but the scratch resistance will take some hours to show up.

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Storage:

55 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:

	000 TRANSP.		002		006		005		009		101, 110
	111		115		117		204		207		213
	214		222		223		229		239		249
	307		309		319		329		339		400
	404		407		420		431		439		440
	500		507		510		600		607		610
	670		700		710		800		807		810
	824		829		877		900				

Colour Range:

55 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.

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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.

12/2023

The information provided corresponds to our knowledge today; It is given in good faith but without guarantee. In addition, taking into account the wide variety of materials to print, the various equipment and procedures to realize it is your responsibility to check the validity of our products to achieve the goals that he intends, with the means and procedures he has.

Similarly, the user must ensure compliance with current regulations, patent situation and rights of third parties where appropriate.