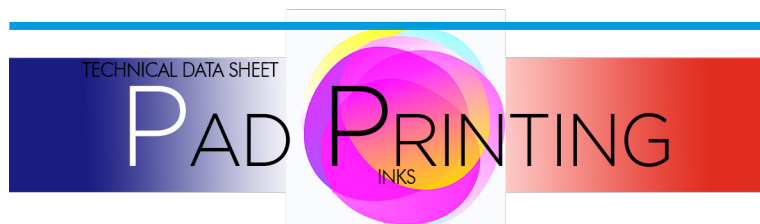


AFFORD®

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54
Series

MULTIPAD



54 Series Product Statement and Key Features:

AFFORD 54 Series are a range of solvent based pad printing inks designed for printing onto untreated and pre-treated injection and blow molded polypropylene.

54 SERIES prints exhibit a smooth high gloss surface finish with good resistance to abrasion, water and detergents.

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 injection and blow molded Polypropylene articles.

Finish: Gloss.

Printing and Drying Information:

Drying times below are only approximate as drying properties depend on various factors:

- Type and amount of thinner/retarder used.
- Thickness of printed ink layer (single print, multi-layer print).
- Drying temperature.

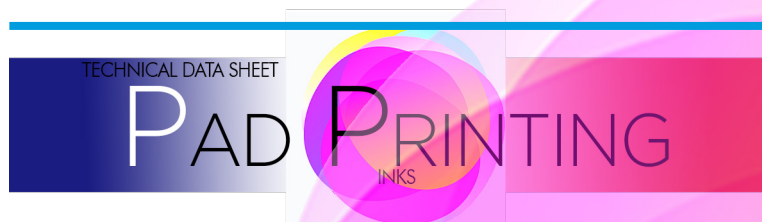
Depending on local conditions, average drying time is approx. 2 - 3 minutes.

Drying time with heat application (e.g. hot air fan) and air circulation is about 30 - 60 seconds.

Complete drying may take several hours, also depending on the substrate. Please consult with AFFORD technical services for further guidance.

54 Series inks are not supplied ready to use. On press viscosity should be adjusted; D-100 can be used as a thinner, with D-400 available as a retarder.

TECHNICAL DATA SHEET
SOLVENT
SCREEN INK



Recommended Drying:

54 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. In general, tape test will be passed after a few minutes, whereas scratch resistance may take a few hours.

Storage:

54 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	110	111	213	214	222
420	439	510	600	670	710
800	810	829	900		

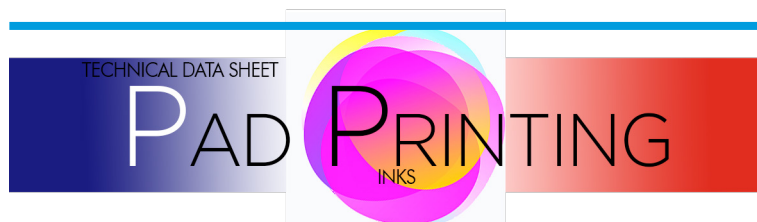
Colour Range:

54 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.

54
Series

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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.