

AFFORD[®]

SOLUTIONS FOR NARROW WEB PRINTING

Quality Solutions

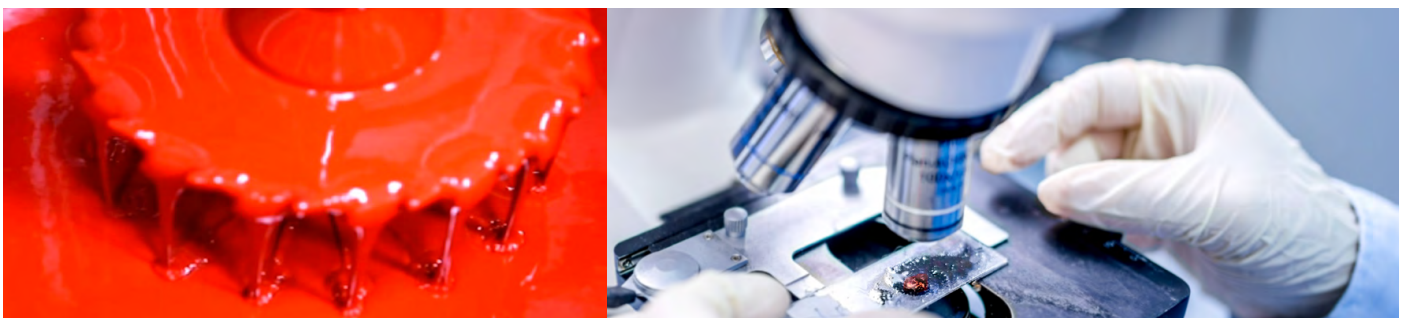


About us

AFFORD® is a manufacturer of inks and coatings to solve the needs of its customers decorative or functional needs in their industrial application requirements. As such, AFFORD® is a leader company in the manufacture of inkjet, screen and pad printing inks, UV varnishes and UV flexo inks.

Founded in 1976, and with its headquarters in Madrid, AFFORD® goods can be identified by its reliability, consistency, quality and innovation. The quality of our products is guaranteed through very tight controls and is widely recognised by our customers in more than 80 countries.

Research is a key element for the success of our company. To keep state of the art products we invest significant amount of resources in R&D.



History

AFFORD® produces screen printing inks since its origins in 1976. Through these years we have developed an extensive screen printing ink range that fulfills almost any demand in the market.

Since 1984 we manufacture UV curable screen printing inks, being one of the pioneer companies in this field. This has allowed us to develop many customized solutions that enable us to provide you a specific ink.

It was later, in 1997, when we bought a little factory called Prosemo, that was dedicated to the production of water based textile inks. This allowed us to enter in the textile market. In 2001 we produced our first plastisol inks and three years later we pioneered again with non-PVC real plastisol inks.

Also in 2001, AFFORD® started the research to produce inkjet inks. As a result, our first commercial inkjet inks were released in 2003. In 2004 our UV inkjet inks were released. Our ecosolvent inks are in the market since 2006.

In 2007 we purchased the screen printing chemical division of Urbion, which was dedicated to the production of emulsions and ancillary chemicals for screen printing. In the recent years we have concentrated in the optimization of our ink ranges, in order to enable our customers to operate with the best productivity. AFFORD® is one of the few companies that is dedicating R&D resources to screen printing.

In 2014 an expansion plan was implemented, adding new manufacturing capabilities and a site expansion.

Today AFFORD® operates on a total of 4500 sqm covered facilities and another 7000 sqm uncovered facilities.

A new factory has been started and will be operating in the second half of 2020.

Why choose AFFORD®

AFFORD® aims to produce the best inks and coatings. There are many companies producing inks, but we have been doing so for over 40 years and there must be good reasons for that.

We try to exceed the market standards and our production is strictly monitored to achieve batch to batch consistency. These elements conform a unique offer that maximizes throughput and warrants the consistency of the printing process.

AFFORD® is an innovative company, and as such, is in constant evolution. We are pioneers in inkjet ink manufacturing, which was started in 2001, and in UV curable inks and varnishes, whose research was started in 1984. AFFORD® has been recognized by the Spanish Ministry of Industry as "Innovative Company" and has been awarded with R&D recognitions through the years.

AFFORD® has state of the art research and production facilities. We are constantly looking to satisfy special requests for demanding industrial applications. Our extensive knowledge of analogical and digital systems allow us to provide the best solutions for your demands.

AFFORD® Solutions

AFFORD® has developed a complete portfolio of solutions for the different printing and decoration systems applied in the label market. Our origin comes from screen printing, which allows us to offer the widest range of products to offer high value added labels through specialty finishes.

AFFORD® is one of the few manufacturers that can provide a global solution for many printing technologies, which includes UV flexo, screen printing inks and inkjet inks.

In AFFORD®, the concern for the health and safety issues are also high. As a result, our range has been completed with low odour and low migration varnishes and inks, in order to offer the safety that global brands require for their packaging.

AFFORD® UV Varnishes

UV varnishes must create an impact on the print, in order to highlight the final product. UV flexo is the most common printing system, and gloss finish accounts for most of the consumption among UV varnishes, but the number of finish possibilities that can be achieved by using UV varnishes with other finishes and application processes are almost endless. This combination results in packaging differentiation and customer perception at the point of sale.

Some of the demands are purely stetic: ultracrystalline, gloss, satin or matt... Regular varnishes, high build, antislippery, rough finish, dry erase... In other cases the strength is set at its functionality: varnishes optimized for glitters, for thermochromics, with good adhesion onto digital inks, that have to be hot-stamped afterwards...

As well, health and safety issues require that sometimes vanishes need to be formulated for low migration or low odour applications. AFFORD® compromise is to offer a solution for each of the needs. With an increasing range of more than 60 standard UV varnishes, AFFORD® can offer the right varnishes for your need.

AFFORD® UV Varnishes Table

TYPE	REFERENCE	DENOMINATION	APPLICATION	ADHESION	FLEXIBILITY
FLEXO VARNISH					
GLOSS	80.071	STANDARD GLOSS VARNISH 80"	FLEXO	PAPER, LAMINATES	
GLOSS	80.072	HIGH GLOSS AND SLIP UV FLEXO VARNISH	FLEXO	PAPER, LAMINATES	
GLOSS	80.064	OVERPRINTABLE UV VARNISH	FLEXO	PAPER, LAMINATES	
GLOSS, NON YELLOWING	80.00.05036	U.V. GLOSS NON YELLOWING FLEXO VARNISH	FLEXO	PAPER, LAMINATES	
MATT, NON YELLOWING	80.00.05037	U.V. MATT NON YELLOWING FLEXO VARNISH	FLEXO	PAPER, LAMINATES	
MATT	80.050	MATT UV VARNISH	FLEXO	PAPER, LAMINATES	
MATT	80.051	EXTRA MATT UV VARNISH	FLEXO	PAPER, LAMINATES	
LAMINATION ADHESIVE	80.027	UV LAMINATION VARNISH	FLEXO	PAPER, LAMINATES	
GLOSS	80.00.05617	FLEXO VARNISH HIGH BUILD	FLEXO	PAPER, LAMINATES	
STAMPABLE, NON YELLOWING	80.00.05986	HOT STAMPABLE FLEXO NY VARNISH	FLEXO	MULTIPLASTICS	
COLD FOIL	80.00.06408	COLD FOIL ADHESIVE	FLEXO	PAPER, LAMINATES	
RELEASE	80.00.06520	SUPERPLUS RELEASE UV VARNISH	FLEXO	PAPER, LAMINATES	
GRAVURE VARNISH					
GLOSS	80.00.04986	U.V. HIGH GLOSS V4 VARNISH	GRAV.	EDGEbanding	
MATT	80.00.05307	U.V. MATT CTS VARNISH	GRAV.	EDGEbanding	
SUPERMATT	80.00.05318	U.V. SUPERMATE CTS VARNISH	GRAV.	EDGEbanding	
SUPERMATT	80.00.05329	U.V. SUPERMATE CTS2 VARNISH	GRAV.	EDGEbanding	
OFFSET VARNISH					
GLOSS	80.00.04979	OFFSET UV VARNISH	OFFSET	WATER BALANCE, PAPER, LAMINATES	
GLOSS	80.00.05900	U.V. DFMC VARNISH	OFFSET	NO WATER BALANCE	
SCREEN PRINTING VARNISH					
HOT STAMPABLE	80.00.05892	SCREEN PRINTING U.V. HOT STAMPABLE VARNISH	ROTATIVE SCREEN	MULTIPLASTICS	
GLOSS	80.033	U.V. VARNISH 80.033	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
GLOSS	80.034	SERI CH HG VARNISH 80.034	SCREEN PRINTING	PAPER, LAMINATES	
GLOSS	80.046	U.V. GLOSS 80.046 SERI VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
NON YELLOWING	80.00.04732	NON YELLOWING VARNISH 80.033	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
NON YELLOWING, FLEXIBLE	80.00.05148	UV NON YELLOWING FLEXIBLE VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
SILICONE FREE	80.00.06031	U.V. SILICONE FREE VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
BENZO FREE	80.00.05815	U.V. GLOSS BENZO FREE VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
MATT	80.049	U.V. MATT FOR PAPER VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
MATT	80.00.06144	HIGHLY TRANSPARENT MATT UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
MATT	80.00.06208	ULTRAMATT VARNISH SLK	SCREEN PRINTING	MULTIPLASTICS	
MATT	80.00.05949	UV MATT PAPER VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
MATT, BENZO FREE	80.00.06210	MATT UV VARNISH BENZO FREE	SCREEN PRINTING	MULTIPLASTICS	
AROMA, THERMOCHROMIC	80.091	WATER BASED UV VARNISH 80.091	SCREEN PRINTING	MEDIUM FOR THERMOCHROMIC, AROMA	
DRY ERASE	80.00.04533	AUTOERASE BLACKBOARD	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
DRY ERASE, NON YELLOWING	80.00.05031	NON YELLOWING AUTOERASE BLACKBOARD	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
ANTISLIPPERY	80.00.04919	ANTISLIPPERY UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
ANTISLIPPERY, FINE PARTICLE	80.00.06087	VARNISH LITTLE TEXTURE	SCREEN PRINTING	PAPER, LAMINATES	
ANTISLIPPERY, FINE PARTICLE	80.00.06362	RECYCLED PAPER TOUCH UV VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
MATT ANTISLIPPERY	80.00.04997	MATT ANTISLIPPERY UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
HIGH BUILD	80.00.04187	HIGH BUILD VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.04929	HIGH BUILD VARNISH ORANGE PEEL	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.05054	NON YELLOWING HIGH BUILD VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.05248	ULTRACRYSTALLINE HIGH BUILD UV VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.05267	MATT HIGH BUILD UV VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
HIGH BUILD	80.00.05639	PVC FLEXIBLE HIGH BUILD VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
HIGH BUILD	80.00.05684	DIGITAL HIGH BUILD UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
HIGH BUILD	80.00.05968	V16 MATT HIGH BUILD UV VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
HIGH BUILD	80.00.06009	PP HIGH BUILD UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
HIGH BUILD	80.00.06015	TIXOTROPIC HIGH BUILD UV VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.06017	TIXOTROPIC HIGH BUILD UV VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
HIGH BUILD	80.00.06055	MATT HIGH BUILD UV VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
HIGH BUILD	80.00.05884	ROTATIVE SCR HIGH BUILD UV VARNISH	STORK	PVC, PAPER, TREATED FILMS	
HIGH BUILD	99.00.05884	ROTATIVE SCR PP HIGH BUILD UV VARNISH	STORK	MULTIPLASTICS	
HIGH BUILD	99.00.05992	FLEXIBLE ULTRACRYSTALLINE HIGH BUILD UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
HIGH BUILD, HOT FOIL	EXP1179	HOT STAMPABLE HIGH BUILD	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
GLOSS, PET	80.00.05109	U.V. GLOSS PET VARNISH	SCREEN PRINTING	PET	
GLOSS, PP	99.00.04178	PP ULTRAHARD U.V. VARNISH	SCREEN PRINTING	POLYPROPYLENE	
MATT, PP	99.00.05040	MATT PP UV VARNISH	SCREEN PRINTING	POLYPROPYLENE	
SATIN, PP	99.00.05517	SATIN PP UV VARNISH	SCREEN PRINTING	POLYPROPYLENE	
GLOSS, PS	99.00.05051	PS GLOSS UV VARNISH	SCREEN PRINTING	POLYSTYRENE	
UV PROTECTION	80.00.05111	UV PROTECTION UV VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
GLITTER	80.00.05309	UV GLITTER VARNISH	SCREEN PRINTING	MULTIPLASTICS	
ORANGE PEEL	80.00.05646	ORANGE PEEL VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
LUMINESCENT	80.00.05849	UV FLEXIBLE LUMINESCENT VARNISH	SCREEN PRINTING	MULTIPLASTICS	
LUMINESCENT	80.00.06287	UV FLEXIBLE LUMINESCENT VARNISH	SCREEN PRINTING	PVC, PAPER, TREATED FILMS	
ANTIPENETRATION	80.00.05891	LOW PENETRATION UV VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
GLOSS	80.00.05936	UV GLOSS VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
ULTRACRYSTALLINE	80.00.05947	PP ULTRACRYSTALLINE VARNISH	SCREEN PRINTING	MULTIPLASTICS	
MATT	80.00.05949	UV MATT PAPER VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
ROUGH	80.00.05964	ROUGH FINGER 2 VARNISH	SCREEN PRINTING	PAPER, LAMINATES	
TOUCH	99.00.05225	TOUCH VARNISH	SCREEN PRINTING	MULTIPLASTICS	
SOFT TOUCH	80.00.06351	SOFT TOUCH UV	SCREEN PRINTING	PAPER, LAMINATES	
UV LIGHT VISIBLE	80.00.06096	VISION UV	SCREEN PRINTING	MULTIPLASTICS	
PEARL	80.00.06149	PEARL UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
RELEASE	80.00.06200	RELEASE UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
ANTISCRATCH	80.00.06236	ANTI-SCRATCH UV VARNISH FOR PROTECTION	SCREEN PRINTING	MULTIPLASTICS	
MEMBRANE SWITCH	80.00.06237	TACTILE MEMBRANE SWITCH BOARD	SCREEN PRINTING	MULTIPLASTICS	
MEMBRANE SWITCH	80.00.06343	TRANSPARENT MATT MEMBRANE UV VARNISH	SCREEN PRINTING	MULTIPLASTICS	
REFLECTANT	80.00.06391	REFLECTIVE UV SCREEN VARNISH	SCREEN PRINTING	MULTIPLASTICS	

AFFORD® UV Flexo Inks

AFFORD® manufactures a range of UV flexo inks specifically designed to maximise throughput and simplify the production process. A careful color selection will allow you to obtain extremely close reproductions to certified color originals, minimizing your time set up and maximizing your productivity.

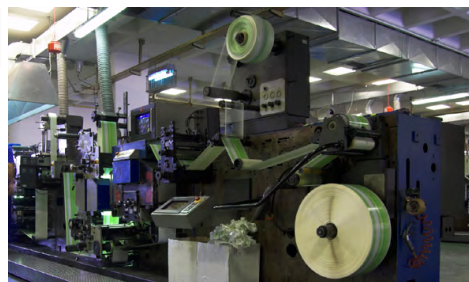
Label printing is a very demanding process that implies that the inks have to be suitable for multiple printing and conversion processes. AFFORD® UV flexo inks are engineered to withstand these processes, including foiling, lamination, varnishing, die cutting, embossing, etc.

AFFORD® proprietary milling technology is used in the grinding of the pigment, allowing to achieve high pigment loads with very low viscosity. This turns out into inks that offer excellent and vibrant colors and while keeping excellent viscosity and flow to ensure a perfect press operation.

The concern for the environment and consumer needs has always been a driving force at AFFORD®. As a result, we can offer low migration or LED grades to fulfill the requirements of the most demanding customers.

Series	Description	C	M	Y	K	W	M	Fl	Pantone Shades
71 series	Economic UV Flexo Inks.	✓	✓	✓	✓	✓			
72 series	State of the art UV Flexo Inks with excellent color intensity.	✓	✓	✓	✓	✓	✓	✓	✓
75 series	Same as 72 series but optimized for LED curing.	✓	✓	✓	✓	✓			✓
77 series	Low migration UV Flexo Inks	✓	✓	✓	✓	✓			✓

C: Cyan / M: Magenta / Y: Yellow / K: Black / W: White / M: Metallic / Fl: Fluo



AFFORD® Screen Printing Inks and Specialties

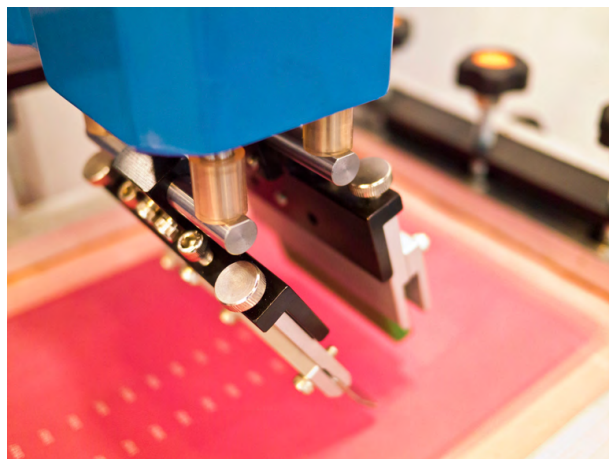
AFFORD® origins are in the manufacturing of screen printing inks. AFFORD® is a leader in the production of specialty inks and varnishes for the screen printing.

Screen printing is the method that will probably give the highest added value and differentiation to a label. The possibilities that can be created by screen printing are almost endless, including braille varnishes, soft touch varnishes, rough feeling varnishes, 3D effects, thermochromic inks, scratch and sniff inks, aroma inks...

AFFORD® produces ranges that are suitable for flat screen printing as well as for rotary screen printing. Whites will give high coverage on transparent materials, allowing overprintability on different printing processes or other finishes such as hot stamping.

Our dedication to screen printing through the years allows us to offer more than 50 standard screen printing varnishes that will give designers unlimited possibilities.

AFFORD® has dedicated as well extensive research to specialty inks manufacturing, such as thermochromic inks, that we can offer in a complete color range in temperatures that vary from 0 to 80°C. Scratch and sniff inks are available in more than 40 aromas and customized microencapsulation can be made.



Mirror silver inks have also been developed that allow to replace hot stamping.



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