

33 SERIES | Multiplast

Product Statement and Key Features:

The 33 Series range of solvent based inks have been formulated to meet the needs of the retail graphics and signage market for printing on various plastic films, including self adhesive PVC, print receptive Polyester other similar retail graphic films and substrates. It has excellent adhesion on plastics such as acrylics, ABS, SAN, PMMA...

Features:

- Solvent Based, No Residual Odour
- Good Outdoor Durability
- High Gloss
- Excellent Screen Stability & Self Solvency
- Suitable for Machine & Manual Printing
- Good Flexibility

Printing and Drying Guidelines:

Mesh selection is critical for optimum results, meshes in the range 90T - 120T are recommended, image type and fabric will dictate the most appropriate mesh grade, please consult with AFFORD technical services for further guidance

Evaporation of solvents will result in an increase in viscosity, please keep containers covered.

Most stencil types are suitable, 11.170 (photopolymer) or 11.701 (diaz) are recommended. 33 Series will air dry within 15 minutes, do not stack prints immediately after printing. Allow sufficient time for thorough drying to take place.

Using a jet air convection dryer, prints will dry in up to 20 seconds at 55-65°C, prints must be cooled to ambient temperature before stacking.

Coverage:

Coverage of between 60 and 70 sqm/kilo can be expected, when printing using a 120T mesh

IMPORTANT:

Stir inks well before every use.

Always test application fully before beginning any production run as supposedly similar plastics can vary between different manufacturers, and even between different batches.

Certain plastics may be impregnated with lubricants or anti-static additives, which, like migrating plasticisers, and may impair ink adhesion, even after a considerable time from the time of printing.

Outdoor Durability:

Outdoor Use AFFORD 33 Series inks have been successfully tested for weathering in QUV chambers. Pls, consult with AFFORD technical services which shades will provide lightfastness.

Enhanced Resistance Properties:

33 Series inks can be overprinted with 33.00.05585 varnish to provide resistance to alcohol and petrol

Special Effects:

The 33 Series inks from AFFORD, include a range of metallic and special effect colours. These colours are not formulated to be durable for outdoor exposure

Thinning and Wash Up:

AFFORD 33 Series inks are supplied with a little higher viscosity than is usually needed; inks can be adjusted to suit print shop conditions and print speeds if necessary with the addition of D-200 thinner as fast to medium solvent or D-696 as retarder. The quantity to be added is as much as needed to reach the desired viscosity. Alternatively, drying time can be delayed without altering the viscosity with D-689 with up to 15%.

Washing up of screens should be carried out using 52.001 Screen Cleaner.

Storage:

33 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:

Users are advised to wear gloves and barrier cream to prevent direct skin contact.

Safety glasses are suggested in areas where ink may be splashed.

If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvents).

Wash the affected area with soap and water.

Consult the applicable Safety Data Sheet (SDS) for further instructions and warnings.

This ink series has been formulated to be free of lead and other heavy metals, compliance to EN71-3-1998

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

Environmental Information:

33 Series inks do not contain any ozone depleting chemicals as described in the Montreal Convention.

Colour Range Table:

	000 - TRANSPARENT BASE		101 - PROCESS YELLOW		110 - EXTRA WHITE OPAQUE		111 - SILVER		112 - WHITE		115 - HIGH RESISTANCE SILVER		116 - SILVER THICK		117 - HIGH OPA-CITY SILVER
	120 - HIGH GLOSS SILVER		135 - MIRROR SILVER		202 - SILVER		204 - EXTRA YELLOW		207 - FLUO YELLOW		215 - MEDIUM YELLOW		214 - REDDISH YELLOW		222 - GOLD
	223 - OLD GOLD		224 - HIGH OPA-CITY GOLD		226 - GOLD THICK		229 - LEMON YELLOW		239 - PRIMROSE YELLOW		249 - GOLDEN YELLOW		277 - HIGH RESITANCE GOLD		303 - ORANGE TRANSPARENT
	307 - FLUO ORANGE		309 - ORANJE		319 - ORANGE LF		329 - LIGHT ORANGE		339 - ORANGE EXTRA		400 - BRILLIANT RED		404 - EXTRA RED		407 - FLUO RED
	414 - RED TRANSPARENT		420 - INTENSE RED		431 - BLOOD RED		439 - FIRE RED		440 - CARMINE		500 - MAGENTA EXTRA		505 - MAGENTA TRANSPARENT		507 - FLUO MAGENTA
	510 - FUCHSIA		600 - PERMA-NENT BLUE		601 - SKY BLUE		604 - REDDISH BLUE		606 - BLUE TRANSPARENT		607 - FLUO BLUE		610 - MEDIUM BLUE		670 - ROYAL BLUE
	700 - VIOLET		707 - VIOLET TRANSPARENT		710 - PURPLE		800 - PERMA-NENT GREEN		807 - FLUO GREEN		808 - GREEN TRANSPARENT		810 - PERMA-NENT BLUE		820 - INTENSE GREEN
	824 - DARK GREEN		829 - EMERALD GREEN		874 - RED LUMI-NESCENT		876 - BLUE LU-MINESCENT		877 - LUMINE SCENT		888 - HIGH PERFORMANCE LUMINESCENT		900 - BLACK		
	951 - REDDISH PEARLESCENT		952 - GOLDEN PEARL		953 - PEARL		954 - WHITE PEARL		955 - RED PEARL		956 - WHITE PEARLESCENT		957 - GOLDEN WHITE		
	961 - FANTASY		953 - AUTUMN		953 - FREEZING COLD										

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 responsible 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.

01/2021

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.

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 S.L. 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 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. Also, the user must make sure he complies with the current legislation situation of patents and third party rights when applicable. This data sheet supersedes all previous publications. January 2021.

SCREEN INKS

SOLVENT

TECHNICAL DATA SHEET