

## 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:

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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:

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

## Special Effects:

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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:

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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:

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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:

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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:

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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:

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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

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