

# PRODUCT DATA SHEET

## AQUAFLEX 3000

AQUAFLEX to provide	AQUAFLEX water based inks are formulated for flexo printing on absorbent substrates. They are characterized by their ability  high quality prints and maximum brightness over bleached, oyster and brown substrates.
PROPERTIES	High colour strength at low viscosity. Rapid drying by absorption into the substrate. Can be formulated for low slip, enhanced rub product resistance. Water based flexo inks are used for a wide variety of applications. Customers are therefore encouraged to contact our technical department to ensure specific requirements are met.

### TECHNICAL INFORMATION AND INK HANDLING

SUBSTRATES	Bleached, oyster and brown kraft used in sacks, corrugated and solid fibre board cases. Sulphite papers used in bags and wrapping papers. Other paper based materials including certain coated stocks.
REDUCTION	Reduce with water only to print viscosity. At high speed (3000-5000 impressions/hour) viscosities as low as 17 seconds Zahn 2 may be used. On slower case printers viscosities of around 30 seconds may be more appropriate. The optimum pH value for printing is 8.5 - 9.0 3000-1000 is recommended for adjustment.
WASH UP	Water is normally used. However, if inks have been allowed to dry on the rollers or stereos, propylene glycol ethyl ethers or a mild alkali solution may be necessary to fully remove dried ink.
ROLLERS AND STEREOS	AQUAFLEX inks are water based and may be used with all normal rubber and photo polymer stereos. Mild steel rollers should not be used as they are liable to corrode.

COLOUR RANGE	AQUAFLEX inks are available in a range of single pigmented colours suited to in-house blending operations or as matched shades.
CAUTION	Inks are not normally suited to extended exposure to direct Sunlight.
STORAGE	Being water based AQUAFLEX inks are not considered highly inflammable.

This information has been carefully compiled from experienced gained in field conditions and detailed laboratory testing. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing. All sales are subject of our standard terms and conditions of sale.

**November 2004**