

RT SERIES

WATER BASED FLEXO INKS

DESCRIPTION	Water based flexo inks designed primarily for narrow web presses printing self adhesive labels. Especially suited to printing onto thermal papers.
PROPERTIES	Low viscosity Water reducible Good heat smear resistance High colour strength Good press stability
APPLICATION	Mix well before use Anilox 90 - 120 l/cm Cell volume 7-10 cm ³ /m ² Minimum dryer temp 50°C with good air flow Print speeds up to 150 m/min Clean equipment immediately after use
SUBSTRATES	Uncoated papers and boards Coated papers and boards Uncoated (eco) thermal papers Semi and top coated thermal papers Some filmic materials after suitable testing
GUIDELINES FOR USE	Additives: Under certain conditions, additives may be required to ensure optimum performance of RT series. Retarder: Up to 5% can be added when the ink is observed to be drying too fast, for example in warm conditions or when press speeds are very low. Defoamer: Up to 1% should be well mixed into the ink to destroy any excess foaming. Best results are obtained if pre mixed first with a little water. Do not exceed 1% addition. Print Aid: Up to 5% can be added to the ink when used on long print runs to ensure pH is maintained at an optimum level. Thermal Printing: RT series are designed for use on all types of thermal papers Laser Printing: RT series inks are normally suitable for laser overprinting. Suitable tests should be made first to ensure full compatibility. Thermal Transfer/Hot Foil Printing: RT series are not recommended for overprinting with thermal transfer ribbons, hot foiling over RT inks is normally possible but should be checked prior to production runs. Varnishes: Varnishing of RT series is possible, but care should be taken to ensure the varnish is suitable for direct thermal applications. Our technical department can provide advice for the best varnish to meet your needs. An excessive build up of ink layers/varnish should be avoided as this can negatively affect the thermal printing. Cleaning: Anilox rollers and equipment should be cleaned immediately after use with waterbased ink cleaner such as Flexwash Aqua.

RANGE

Shade	Product Code	Lightfastness
Transparent White	RT000	
Yellow	RT003	4-5
Yellow 012	RT004	4-5
Orange	RT005	5
Warm Red	RT006	4-5
Red 032	RT007	5
Rubine	RT008	4
Rhodamine	RT009	3
Purple	RT010	3
Violet	RT011	3
Blue 072	RT012	5
Reflex Blue	RT013	5
Process Blue	RT014	8
Green	RT015	8
Black	RT016	8
Process Cyan	RT018	7
Process Magenta	RT019	3
Process Yellow	RT020	4
Process Black	RT021	8

STORAGE & HANDLING

Store at temperatures between 15°C and 20°C.
Protect from frost.
In unopened containers RT series inks have a shelf life of 12 months.

PACKAGING

5kgs

AUXILIARY PRODUCTS

RLA322 Defoamer
RLA324 Print Aid
RLA330 Retarder
RLA363 Flexwash Aqua II water based wash up

DISCLAIMER

The information contained in this data sheet is correct to the best of our knowledge. It is intended as a guide only for the optimum use of the named product(s) and is not intended as a warranty or as a specification. This datasheet may not be suitable for combinations with other materials or in processes other than those specifically described. The user should always make their own tests to establish that the product(s) meets their requirements.