

## Citylite VZ Trichromatic Screen Inks

### PART OF THE UVISPEED SERIES

Citylite VZ is part of the Uvispeed Series of 100% UV screen inks. The VZ range was developed for use in the production of back illuminated 'City' posters typically used for bus/train stops or for indoor displays. Citylite VZ is based on special pigments which produce rich colours under backlit or daylight conditions.

### General Recommendations

Citylite VZ inks should be stirred well before each use. Full adhesion characteristics may not develop for up to 24 hours after printing, there can be an increase in ink film hardness or brittleness in this time.

### Colour range:

VZ004	Trichromatic Black
VZ052	Trichromatic Yellow
VZ135	Trichromatic Magenta
VZ215	Trichromatic Cyan
VZ396	Trichromatic Extender Base
ZE824	Flash cure additive

In addition to the standard colours listed above an alternative Magenta (BS) blue shade is available which may suit specific designs or print combinations needed to produce spot colours from trichromatics.

VZA35 Magenta (BS)

### Back Printing:

For many applications, Citylite VZ ink will give excellent back lit results without modification. For some images, printers might prefer to add a 'wash' of one of the trichromatic colours to the back of the poster to optimise the appearance in daylight and illuminated viewing conditions. In these cases, inks on the front of the poster can be reduced by as much as 1:1 with extender base with the wash colour on the back reduced 1:9 ink to extender base. This represents a starting point which can be modified to suit specific preferences.

### Storage:

Containers should be tightly closed after use and stored away from heat sources and peroxides. For maximum shelf-life storage should be between 10°C and 25°C. Stored in such conditions, the inks will have 12 months life from date of manufacture.

### Main Characteristics

#### Finish

High Satin

#### Mesh

150.34 PW

#### Thinning

Up to 10% ZE637 to reduce viscosity

#### Stencil

Solvent resistant stencil system is required  
Contact exposure – Dirasol 916, 902 or Super Coat  
Projection exposure – Dirasol S5 or SuperPro

#### Coverage

80-90 m<sup>2</sup>/ltr (75-85m<sup>2</sup>/kg) through 150.34PW

#### Curing

Citylite VZ was developed for low energy curing systems (such as Flash) commonly used in multi-colour in-line machines. Intermediate cure speed can be increased by the addition of up to 3% ZE824.  
Final cure: 0-35m/min 2x80w/cm lamps

#### Wash-up

Xtend Screen Wash and Xtend Screen Cleaners. See Xtend Screen Cleaners Product Information sheet.

#### Outdoor use

Citylite VZ inks were developed for short term (up to 3months) outdoor use normally associated with city poster campaigns.

#### Co Use

Citylite VZ can be used to overprint or underprint other inks in the Uvispeed series.

#### Substrate

150 to 170gsm paper.  
Not recommended for synthetic paper.

## Safety and Handling

Citylite VZ:

- Should be stored away from heat.
- Is formulated to comply with the EN71-3:1995 Toy Safety Standard

Comprehensive information on the safety and handling of Citylite VZ Screen Inks and reducers is given in the appropriate Sericol Safety Data Sheets, available on request.

## Environmental

Citylite VZ:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons which are known to have an adverse effect on the environment.
- Is free of any volatile solvent and is therefore beneficial to the environment when compared to solvent-based products.

*The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.*

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