

# Optilux<sup>®</sup> 600WB

a revolution in reflectives

An Eco friendly water based ink containing mbeads , high index microscopic glass beads semi-coated in aluminium to give excellent reflective performance.

These glass beads act like tiny cats eyes reflecting white light. A visually impressive product that is easy to use, suitable for screen printing or rotary printing on a wide range of fabrics.

## Easy to Use

One Pack System

Stir and Go



## Creative Safety Element



## Bright Reflective

Machine wash at 40°C



## Screen Printable

Quantity  
1-10 Kg  
11-20 Kg  
21-40 Kg

Price per Kilo  
£45.00  
£42.00  
£40.00

Prices excluding carriage & VAT, sold in 1, 5 and 30 Kg pots.  
Free carriage on orders over £450.00 Ask us for bulk prices

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[www.vizreflectives.com](http://www.vizreflectives.com)

Photography courtesy  
of House of Astbury  
[www.houseofastbury.com](http://www.houseofastbury.com)

## Technical

### Preparation

Before printing stir the Optilux® ink well, as settling of the beads can occur through transportation and storage. It is advisable to test the Optilux® ink on the garment / fabric to ensure that the level of reflectivity and wash fastness have been achieved before main printing is started.

### Visual appearance

Optilux® ink is grey with a paste like consistency and is supplied at a viscosity between 16 and 25 Pascals.

### Application

Suitable for normal screen printing either on a hand bench, carousel or continuous machine or for use with a rotary printer. Screen emulsion should be suitable for use with an aqueous system. Screen sizes should be 40 microns or larger to allow for the reflective glass beads to pass through.



*Examples of Optilux® printed on cotton. Fine details can be achieved.*

### Screen Printing

Screen Size: 40-50 micron - No finer than 61T Screen - Square edged squeegee (shore hardener 70-75)

### Rotary Printing

Screen Size: 80 Mesh or 105 Penta or 35 Nova

### Curing

Printed garments or fabrics should be cured immediately at 150°C for 3 minutes to ensure wash fastness and abrasion resistance of the print.

### Coverage

Coverage depends upon type of fabric, pressure of squeegee, the screen size and the print design. As a guide for 100% coverage of highly absorbent textiles 1 kg of Optilux® ink will cover 5m<sup>2</sup> and for tightly woven synthetic fabric 1kg will cover 10-12m<sup>2</sup> of fabric.

### Cleaning

It is essential to clean your screen immediately after printing as with all aqueous systems the Optilux® ink will dry in the screen. Screens should be cleaned thoroughly with water. Failure to clean properly will result in the ink permanently drying in the screen.

### Storage

Store at a temperature between 5°C and 20°C in an air tight container. If stored correctly shelf life is 6 to 12 months.

### Care Instructions

Machine wash 40°C, tumble dry on low, iron on reverse, not suitable for dry cleaning.

### Recommended Use

Optilux® ink can be printed either by a manual or automatic screen printer on a wide variety of garments or fabrics, natural and Poly/cotton fabrics woven or knitted. They can be printed onto made up garments such as T-shirts, sweatshirts, caps or onto canvas goods such as rucksacks or bags. They are also suitable for rotary printing onto knitted or woven fabrics.

Not suitable for use on garments with a heavy waterproof finish.

### Reflectivity

Light is measured in lumen's and candelas, the typical measured level of reflectivity of Optilux® ink is 20-25 candelas per square metre. Optilux® ink offers an opportunity to be creative with reflectivity, with screen printed designs and full rotary prints offering a new dimension to garments.

### Health and Safety

Refer to the Material Data Sheet for Optilux® 605WB.

**NB.** All information given in this leaflet is believed to be accurate based on our knowledge however no guarantees on performance are given and customers should carry out their own tests prior to using.

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*Optilux® ink*