

## Icotech Dyne EW

Series for PP/PE materials and Injection Mouldings

Issue No. 001/2011

The Icotech Dyne EW series is recommend for use with “difficult” substrates, and gives excellent adhesion to untreated and pre-treated polypropylene and polyethylene materials  
Icotech Dyne EW is also very suitable for use within the injection moulding process.

### Product Resistance

Icotech Dyne EW inks have excellent resistance to many household and industrial chemical products, which include battery acid, bleach, washing detergents, sodium hydroxide and motor oils.

We recommend that before commencing full production, printed inks are tested for resistance to the chemical for which they are likely to come into contact with.

Any printed substrates which are would be frequently handed should be overprinted with EW381.

### Colour Matching

The Icotech Dyne EW series consists of a full range of colours, which enable the printer to easily produce special colours to customer requirements.

The system consists of 9 base colours, which have been developed for strong colour density and cleanliness of tone, along with their suitability for intermixing.

Using the colours in combination with white, black or clear extender base, almost any colour is achievable.

For assistance with any colour-match requirements, our technical team can support you with your colour-matching needs, by producing formulae to a Colour Reference, printed colour swatch, or wet sample.

Please contact your local Sales representative or our customer services team for further details.

### Standard Colours

Bases:

<b>EW001</b>	<b>Black</b>
<b>EW021</b>	<b>White</b>
<b>EW381</b>	<b>Extender Base</b>

Available in 5KG pack size

Colour Range:

<b>EW064</b>	<b>Yellow (Green Shade)</b>
<b>EW066</b>	<b>Yellow (Red Shade)</b>
<b>EW114</b>	<b>Orange</b>
<b>EW121</b>	<b>Red (Yellow Shade)</b>
<b>EW164</b>	<b>Red (Blue Shade)</b>
<b>EW127</b>	<b>Violet</b>
<b>EW165</b>	<b>Magenta</b>
<b>EW230</b>	<b>Blue</b>
<b>EW325</b>	<b>Green</b>

Available in 1KG pack size

### Main Characteristics

#### Finish

Satin

#### Drying

Jet Drying -	60°C for 20seconds
Air Drying -	15 Minutes
Convection Oven -	70°C for 1-2 Minutes

#### Thinning

Use 10-15% SC521

For slow printing and fine detail, use SC529 Retarder

#### Cleaning

Wash up with **ZTC639 IcoPrep Thinner**

#### Mesh

Monofilament 77-120 Monofilament mesh

#### Stencil Type

Solvent resistant stencils are recommended

#### Recommended:

IcoPrep Emulsion **EM-DP GRA5**

#### Coverage & Mesh No.

55-65m<sup>2</sup>/ltr. Using 120:31 monofilament

#### Applications

Untreated/treated polypropylene and polyethylene, including 'Priplak' and 'Doefflex' materials

Most other common plastic materials

#### Colour Range

11 Bases and Colours

#### Properties

Fast jet drying to a satin, scuff resistant finish

Excellent screen stability

Resistant to many household and industrial chemicals

#### Co-Use with other ink Series

Icotech Dyne EW can be used as a high adhesion primer onto Polypropylene materials, and then overprinted with our products.

Icotech Dye EW will readily accept the following inks:

**Icoprint Gloss VG**

**Icoprint Fluorescent VF**

**Icoprint Posterjet PN**

**IMPORTANT:** Stir well before every use. Users should satisfy themselves that Icotech Dyne EW is suitable for the intended application and resistance properties are acceptable before commencing production runs.

There is often considerable variance in plastics, both treated and untreated, from different manufacturers and also from batch to batch.

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### Safety and Handling

#### Icotech Dyne EW:

- Is formulated to contain Barium, with the exception of YD021 and YD381. This product should not be used on objects liable to be sucked or chewed by children.
- All products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

Comprehensive information on the safety and handling of **Icotech Dyne EW** screen inks and solvents is given in the appropriate Iconinks Safety Data Sheet, available upon request.

### Environmental Information

#### Icotech Dyne EW:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.

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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