

IcoTech Dyne EW

Series for PP/PE materials and Injection Mouldings

Issue No. 008/2019

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/EWA381**.

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.

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% **Thinning ZC521**

For slow printing and fine detail, use **Retarder ZV561**

Cleaning

Wash up with **IcoPrep ZTC639**

Mesh

Monofilament 77-120 Monofilament mesh

Stencil Type

Solvent resistant stencils are recommended

Recommended:

Dirasol 22, Dirasol 32 and Dirasol 915

Coverage & Mesh No.

55-65m²/ltr. Using 120:31 monofilament

Applications

Untreated/treated polypropylene and polyethylene, including ‘Priplak’ and ‘Doeflex’ materials
Most other common plastic materials

Colour Range

12 Standard Bases and Colours with 3 Non-Flammable Bases

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 Dyne 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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Standard Colours

Standard Bases:

EW001	Black
EW021	White
EW381	Mixing Clear

Non Flammable Bases:

EWA001	Black
EWA021	White
EWA381	Mixing Clear

Available in 5KG pack size

Colour Range:

EW064	Yellow (GS)
EW066	Yellow (RS)
EW114	Orange
EW121	Red (YS)
EW164	Red (BS)
EW127	Violet
EW165	Magenta
EW230	Blue
EW325	Green

Available in 1KG pack size

Thinners:

ZC521	Thinner
ZV561	Retarder

Available in 5 KG pack size

Safety and Handling

IcoTech Dyne EW:

- Is formulated to contain Barium, with the exception of **EW021, EWA021, EW381** and **EWA381**. 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.
- **EWA001, EWA021** and **EWA381** are formulated to be non-flammable and meets non-DG transport and storage regulations.

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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