



# CARNIVAL MIXING SYSTEM

## Opaque, Vibrant, Repeatable Colour Mixing

REV. 20240306

### Technical Data Sheet

#### Key Features

An Opaque system with a satin sheen and soft hand. Consisting of 13 Opaque single pigment colours and 4 optional Formaldehyde Free Fluorescent inks which allow accurate matching with the vibrancy required by certain shades. The opacity allows printing on and off an underbase on dark garments with excellent wet on wet printability. Suitable for both Manual and Automatic printing

#### Wash Resistance

Carnival Colours will pass a minimum of 5 x 60oC wash Cycles when correctly cured. Carnival Colours should not be Dry Cleaned.

#### Compliance

All Carnival colours are formulated to be Phthalate Free, meet Oekotex standards and do not contain any Substances of Very High Concern. Currently, we, the manufacturer, do not test for compliance and should the user require certification we recommend they use an independent test house for verification.

#### Storage

Avoid direct sunlight and store at a temperature between 16°C / 60°F and 30°C / 95°F.

#### Health And Safety

Please refer to the appropriate MSDS sheet

#### Colour Range –

Albany White - Citrine Yellow – Canary yellow  
Pumpkin Orange - Candy Red - Cherry Red  
Magenta – Violet - Indigo Blue- Cerulean Blue  
French Blue - Emerald Green - Raven Black  
Dazzle Fluo Yellow\* - Dazzle Fluo Orange\*  
Dazzle Fluo Red \* - Dazzle Fluo Magenta\*

\* Optional

#### Application Recommendations

##### Fabric Types

Primarily Cotton. Carnival is not a low bleed ink but it can be used on Cotton/Polyester Blends and 100%Polyester if a suitable Under base is used to provide bleed resistance .We recommend either one of the two Polyester Whites or BB Grey.

##### Mesh

From 43 to 120 threads per cm

##### Stencil

Solvent Resistant Dual Cure Emulsion or Capillary Film

##### Squeegee

Square Profile. 60 – 90 Shore. Single or triple blend durometer.

##### Additives

Carnival Inks are supplied ready for use but can be modified with the following Additives depending on the final effects required. Soft Hand Extender, Curable Reducer, Hi-Stretch Base, Puff Additive and Suede Additive

##### Flash Temperature / Gel Point

Typically 65oC / 150oF on preheated pallets.

##### Cure Temperature

160°C / 320°F for 60 to 90 seconds

##### Clean Up

For equipment use a Biodegradable Screen Wash. Clean up spills with a suitable absorbent material. Dispose of unused ink responsibly in accordance with local regulations

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