

# Technical Data Sheet

## **Water Based Wet & Reveal Spray Ink**

### **Technical Product Information**

**Metachromatic Function:** Reversible

**Product Name:** Water Based Wet & Reveal Spray Ink

**Last Revision:** 19/06/2014

#### **Description**

A R&D product for evaluation as a water based sprayable ink for textile, paper, plastic, film and board substrates.

Supplied as a 1 part ink system, which is mixed prior to spraying.

#### **Application**

Spraying should be in a properly extracted spray booth and appropriate PPE should be used to avoid inhalation, skin contact or ingestion. Pot life is several hours, but should be discarded at end of day.

As the ink dries it becomes opaque and white. It may be recoated to increase opacity. When wet the opacity is lost and the film becomes transparent. Transparency is reduced if too heavy a coat or too many layers are applied. Too heavy a coat may adversely affect adhesion on flexible substrates.

#### **Product Properties**

##### **Adhesion**

The adhesion of Water Based Wet & Reveal Screen Ink depends upon the surface properties of the selected substrate. Due to the wide variety of substrates it is recommended that this ink is evaluated fully prior to any commercial use.

##### **Rub Resistance**

The ink itself after curing exhibits good rub resistance properties on absorbent and non absorbent substrates. It is ideally suited to textiles and will adhere well to paper and print receptive plastics. Carefully evaluate plastic substrates with the ink as to adhesion.

Information in this Product Data Sheet is compiled from our general experience and data obtained from various technical publications. Whilst we believe that the information provided herein is accurate at the date hereof, no responsibility for its completeness or accuracy can be assumed. Tests are carried out under controlled laboratory conditions. Information is given in good faith, but without commitment as conditions vary in every case. The information is provided solely for consideration, investigation and verification by the user. We do not except any liability for any loss, damage or injury resulting from its use (except as required by law). Please refer to the Material Safety Data Sheet before using products to ensure safe handling.

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### **Additional Product Properties**

<b>Pigment Content (%)</b>	<b>28 ± 2</b>
<b>Solid Content (%) <sup>1</sup></b>	<b>53 ± 2.0</b>
<b>Solvent</b>	<b>Water</b>

### **Drying**

The ink will air dry or can be forced dried with IR lamps or hot air.

### **Cleaning recommendations**

Do not allow inks to dry in spray gun. Clean thoroughly with water.

### **Handling**

Water Based Wet & Reveal Ink will remain stable if kept in the supplied container and stored in the correct storage conditions. . Use water proof gloves when mixing. Consult SDS and use ppe and suitable control measures.

### **Mixing Instructions**

Contents may settle on transit. Ink should be thoroughly mixed using a mechanical stirrer prior to application. Do not mix with other ink systems.

### **Storage**

Water Based Wet & Reveal Ink should be stored away from frost and high temperature to gain optimum performance from the product.

Shelf Life 6 Months

Do not store in temperatures in Excess of 25°C / 77°F

As the product is water based it is important to keep the containers tightly shut to avoid evaporation and skinning of the product.

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