

## **AQUASOL ECOPUFF**

Non-toxic Water-based Elastic Puff Ink for Textile Silkscreen Printing

<b>Type</b>	<b>Chemical Composition</b>	<b>Supplied Form</b>	<b>Ionicity</b>	<b>pH</b>
EcoPuff	Binder + Puff Capsule	High viscosity off-white paste	Anionic	>7

### **Properties**

Aquasol EcoPuff is a highly effective puff ink with elastic properties for silkscreen printing on cotton and polyester-based fabric. Unlike conventional puff inks, Aquasol EcoPuff is formulated to be self-crosslinking and tack free. Hence, it provides excellent anti-block properties and will not adhere to the surface of other Aquasol inks (Premium rubber inks or Elastisol series) even after prolonged contact with the latter provided that the proper curing/drying procedure is followed. The Aquasol EcoPuff ink is environment friendly and is completely free of the following chemicals: formaldehyde, phthalate, azo, lead, chromium, mercury, nickel, tin, chromium and alkyl phenol ethoxylate (APEO). Aquasol EcoPuff can be used as supplied or mixed in any ratio with Silkflex rubber inks or Aquasol Elastisol. The Aquasol EcoPuff provides puff prints with smooth surface, excellent soft feel and exceptional wash resistance.

### **Application Procedure**

Aquasol EcoPuff can be used directly or mixed with Aquasol inks; rubber inks, Elastisol or Aquanylon inks. A ratio of 30-50% of the Aquasol EcoPuff with suitable Aquasol inks is normally sufficient. Allow prints to air-dry completely (~6 hours) before heat curing. Provide a temperature of at least 150°C in order to ensure effective reaction of the puff process. Heat curing can be carried out by the heat press method or by using a conventional oven. Do not apply excessive pressure for prolonged periods of time in the heat press method because it may cause irreversible collapse in the structure of the resultant puff print.

### **Storage**

Do not exceed twelve months from date of manufacture. Protect from frost (>5°C). Keep lids tightly closed at all times after use.