

## **Mixing Ink For Sizing Tests – Source Materials In Paks**

### **NAPHTHOL GREEN B DYE SOLUTION:**

The Naphthol Green B Dye pak from The Aderhold Firm, Inc. (part number TAF NGB1) contains approximately 2.5% Naphthol Green B dye powder mixed in water. The exact amount of dye is adjusted during pak manufacture for precise optical qualities.

### **2% FORMIC ACID SOLUTION:**

The 2% Formic Acid pak from The Aderhold Firm, Inc. (part number TAF 2FA) contains exactly 2.0% formic acid mixed in water.

### **20% FORMIC ACID SOLUTION:**

The 20% Formic Acid pak from The Aderhold Firm, Inc. (part number TAF 20FA) contains exactly 20% formic acid mixed in water.

### **40% FORMIC ACID SOLUTION:**

The 40% Formic Acid pak from The Aderhold Firm, Inc. (part number TAF 40FA) contains exactly 40% formic acid mixed in water.

### **MIX INK BY USING TWO PAKS:**

Use the dye pak, and one of the formic acid paks. To make ink suitable for sizing tests, equal volumes are taken from the Dye pak and from one of the Formic Acid paks (2% or 20% or 40%), and are mixed together in a separate container.

### **SIMPLICITY:**

Mixing ink using the paks as the source materials is simple to do, does not require the skill of a chemist to achieve the correct ink mix, requires no special instruments (such as a pH meter or precision weighing scales), and provides long shelf life of the source materials.